ILLINOIS NATURAL HISTORY SURVEY

Kankakee River Fishes of the Braidwood Station Aquatic Monitoring Area, August 1988

Aquatic Biology Section
Technical Report

R. W. Larimore
Principal Investigator

J. T. Peterson
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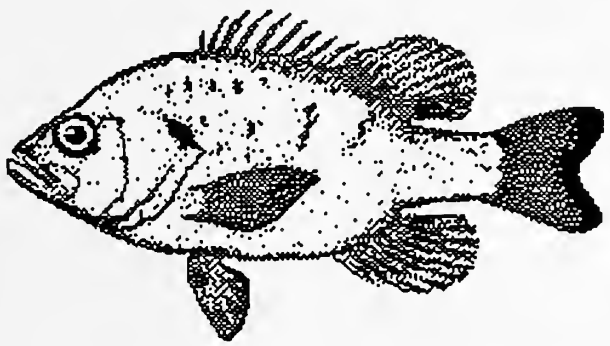
Report to Commonwealth Edison Co.



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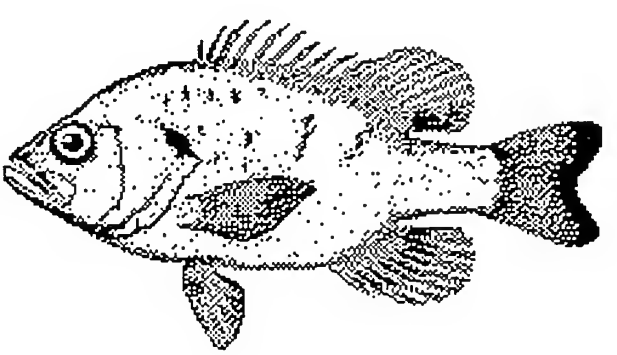

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by

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ABSTRACT

Forty-seven fish species representing 14 families were collected from the Kankakee River and Horse Creek in the Braidwood Aquatic Monitoring Area in August 1988. The pallid chub, *Hybopsis amnis*, has been recommended as endangered and the river redhorse, *Moxostoma carinatum* , as threatened in Illinois. The pallid chub was not collected for the second consecutive year; it has been present in all years of this 11-year series except 1977, 1987, and 1988. In 1988, nine river redhorse were collected from the designated stations; it has been present throughout this series.

Total biomass of fishes was 217 kg, an increase over the 169 kg collected in 1987; total catch was 6,058 fish, the third largest catch in the 11-year series. Golden redhorse, smallmouth bass, gizzard shad, carp, and quillback accounted for 69.8% of the total biomass. Smallmouth bass, gizzard shad, longear sunfish, rosyface shiner, and bluntnose minnow numerically comprised 58.3% of the total catch.

Anomalies in the form of external macroparasites, diseases, malformations, or injuries were found on 12.1% of the total catch, a slight increase from 9.6% in 1987. *Neascus* was responsible for 10.0% of the occurrences in 1988.

Significant differences were found between stations in 1988 for biomass in electrofishing samples and for abundance in seining samples. No significant differences were detected between stations for abundance in electrofishing samples and in biomass for seine catch. Mean diversity of combined methods was the lowest recorded in the series for 54.5% of the stations.

A review of the data in this series by one-way ANOVA of the data gathered since 1977 showed differences between years and between stations in combined method mean diversity, total biomass, total catch (abundance), and smallmouth bass abundance. A Student-Newman-Keuls (SNK) analysis depicted similar differences between year and station data over the duration of the 11-year series.

INTRODUCTION

The geology, hydrology, and water quality of the Kankakee River combine to form a high diversity of habitats and aquatic life, creating one of the finest rivers in Illinois (Smith 1971, Skelly and Sule 1983, Brigham et al. 1984). The river is a scenic, cultural, recreational, and industrial resource (Barker et al. 1967, Graham et al. 1984). In Illinois the river has remained relatively unaltered while still meeting the needs of the public, municipalities, and private interests.

Construction of the Braidwood Nuclear Generating Station and its associated riverside intake and discharge structures has provided the opportunity to gather data on the fishes of the Kankakee River. This study was initiated to determine the effects of construction and plant operation on the river. In 1988, the generating station began commercial operation: on 29 July for Unit One and on 17 October for Unit Two. Although the station was operating during the 1988 sampling, the intake was decoupled (Table 1) to fulfill a prior agreement with the Illinois Department of Conservation not to withdraw water from the river during critical low-flow periods. The discharge structure was operating during this period.

The Braidwood Station Aquatic Monitoring Area, near Custer Park, Will County, Illinois, consists of a 2.5-km reach of the Kankakee River and its tributary, Horse Creek (Fig. 1). The Illinois Natural History Survey has made fishery surveys in this area since 1972. The resultant data set allows documentation of environmental changes and the resulting response of the fish community, and an estimation of the environmental quality of the river. The goal of this research is to gain a better understanding of the complex relationships of fishes to their dynamic lotic surroundings.

MATERIALS AND METHODS

Electrofishing and seining were used to collect fishes in the monitoring area from 1 through 11 August 1988. The methods and sampling locations were the same as those used in previous years (Kwak 1987) but are included here for ease of reference.

Each sampling location consists of two sampling stations, designated by the location number and "R" or "L," indicating the right or left side of the river as one looks upstream (Fig. 1). The sampling locations are:

Location 1—approximately 1,000 m (3,280 ft) above the intake structure. This location provides data for an upstream section of the river that is not influenced by intake or discharge activities.

Location 2—Horse Creek, including a length approximately 100 m (328 ft) above the confluence of Horse Creek and the Kankakee River. This location represents a potential fish spawning site and may influence the river.

Location 3—the area of the intake structure.

Location 4—the area of the discharge canal. This location provides data for that region of the river that may be affected by thermal and chemical discharges of the cooling pond.

Location 5—approximately 300 m (984 ft) downstream of the discharge canal. This area represents a potential near-field recovery area from any impact associated with discharges from the cooling pond.

Location 6—approximately 1.6 km (1 mile) downstream of the discharge canal. This region is below the influence of the discharge canal and represents a potential far-field recovery area.

A boat-mounted, boom-type electrofisher, which employed a 230-V, 3000-W, 3-phase, AC generator as a power source, was used to sample fishes. At locations 1, 5, and 6, each station was electrofished for 0.5 h, covering approximately 152 m (500 ft), for one unit of effort. Because of the proximity of locations 3 and 4, these areas were sampled for 15 min, each covering one-half of the unit distance. The entire width of Location 2 was electrofished, from its mouth approximately 305 m (1,000 ft) upstream for a period of 1 h, representing two units of effort. The boat driver and two others captured stunned fish with 12.7-mm (0.5-in.) mesh dip nets. Each electrofishing station was shocked four times, with a 2-day repopulation period between each replicate. Electrofishing was conducted such that the first "run" of each replicate was made in a downstream direction through the middle of the shocking zone. The second run was in an upstream direction, adjacent to the first run and as close to the bank as water depth would allow. The third run was made in a downstream direction outside of, but adjacent to, the two previous runs. This sequence was repeated until the directed length of time had elapsed. The unit area shocked was equivalent to 0.4 ha (1 acre).

Seine samples were taken at two sites in each sampling station twice during the 2-week sampling period, representing four replicates per station. A 7.65-m x 1.22-m (25-ft x 4-ft) nylon seine was used with a 1.22-m x 1.22-m x 1.22-m (4-ft x 4-ft x 4-ft) bag. The seine was constructed from King 4.76-mm ($^3/_{16}$-in.) square mesh. A shoreline distance of 15 m (49 ft) was seined in a downstream direction; the first haul was taken downstream of the second. All small fish collected by seine were preserved in formalin and returned to the laboratory for analysis. Large fish were processed in the field and released.

All fish not preserved were identified, measured for length and weight, fin clipped and examined for external parasites. Dissolved oxygen, water temperature, water velocity, pH, turbidity, and conductivity were measured at each collection (Appendices A and B). Discharges for the Kankakee River were obtained from the U.S. Geological Survey (Figs. 2 and 3).

Fulton's condition was calculated for each fish using:

$$K(TL) = \text{weight (in g)} \times 100{,}000/\text{total length}^3 \text{ (in mm)}$$

Condition values for each fish collected in 1988 are listed in Appendix C. Appendix D contains a summary of fishes collected for this report series (1977-1988). Diversity indices (Shannon 1948) were computed for collections taken at each station for electrofishing and seine catches and were compared with those calculated in previous years.

Biomass and abundance of fishes collected at different locations were analyzed using analysis of variance (ANOVA). Comparisons were made on a catch-per-unit-effort basis using ln(x+1) transformations of fish weight and numbers. Results for 1988 were subjected to a one-way ANOVA with station as the main effect. Various environmental parameters were included as covariables in one-way ANOVAs. Comparisons of means were made with Duncan's Multiple Range Test ($\alpha = 0.05$). One-way ANOVAs of biomass, abundance, and diversity were used to compare years and stations as independent variables from data collected over the entire study period. It should be noted that electrofishing and seine replicates are not true replicates but rather are temporal pseudoreplicates (Hurlbert 1984) because of the lack of true independence of these successive samples. Given the improbability of obtaining true replicates of transient fishes, the difficulty in applying inferential statistics to these situations is acknowledged and the limitations recognized.

RESULTS AND DISCUSSION
1988 Review

Catch

In 1988, 47 fish species representing 14 families were collected from the monitoring area. A total of 78 fish species representing 17 families have been collected by Illinois Natural History Survey personnel from 1977 through 1988 (Table 2).

The pallid chub (*Hybopsis amnis*) has been recommended as an endangered species by the State of Illinois and the river redhorse (*Moxostoma carinatum*) has been recommended as a threatened species. Sampling during 1988 failed to capture the pallid chub[1] for the second consecutive year; nine river redhorse were taken in designated stations, but 17 individuals were collected in 1987 (Table 3).

The rudd (*Scardinius erythrophthalmus*) was collected for the first time in the monitoring area. One individual was captured at Station 5R (seine duplicate B). This European species is used as a baitfish and was probably introduced via sportfishermen.

Total biomass of fishes collected in 1988 was 217 kg (Table 4), up from 169 kg in 1987. Of the total biomass, golden redhorse (*Moxostoma erythrurum*) comprised 23.5%; smallmouth bass (*Micropterus dolomieui*), 13.5%; gizzard shad (*Dorosoma cepedianum*), 12.6%; carp (*Cyprinus carpio*), 10.3%; and quillback (*Carpiodes cyprinus*), 9.9%. Changes in total biomass by dominant species are shown in Table 5. Four of five dominant fish species remained the same as in 1987; carp replaced rock bass (*Ambloplites rupestris*) as one of the five dominant species in 1988.

The total number of fish collected in 1988 (6,058), the third largest catch in the 11-year series, was an increase over the 4,734 collected in 1987. Smallmouth bass dominated abundance, comprising 21.4%; gizzard shad, 15.8%; longear sunfish (*Lepomis megalotis*), 7.8%; rosyface shiner (*Notropis rubellus*), 6.8%; and bluntnose minnow

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[1] For a review of the history of pallid chub collection in Illinois refer to Kwak (1987).

(*Pimephales notatus*), 6.5% (Table 4). Table 6 shows percent total abundance of the dominant species captured in 1988. Smallmouth bass was the most abundant species for the first time since 1982. Rosyface shiner was one of the five most abundance species in 1988.

Five species are among the top 10 dominant fishes in biomass and abundance for both 1987 and 1988—the golden redhorse, smallmouth bass, gizzard shad, rock bass, and longear sunfish (Tables 5 and 6). The percent total biomass values of these five species combined were similar for 1987 and 1988, 69% and 62% of the total biomass, respectively. The total combined abundance values for 1987 and 1988 were substantially different, 30% and 53% of the total abundance, respectively.

Total biomass collected by electrofishing during 1988 was dominated by golden redhorse, 26.2%; smallmouth bass, 13.0%; gizzard shad, 12.7%; carp, 10.6%; and quillback, 10.2%. Although these values are similar to those in 1987, there was an increase in percent biomass for golden redhorse, carp displaced rock bass in the top five, and minor changes occurred in the rank order (Tables 7 and 8).

Total abundance for electrofishing samples during 1988 was dominated by smallmouth bass, 22.9%; gizzard shad, 22.3%; longear sunfish, 7.0%; striped shiner, 5.6%; and bluntnose minnow, 4.6%. Many of these values differ from those in 1987, including substantial increases in percent abundance for smallmouth bass, gizzard shad, and striped shiner (Tables 9 and 10).

A total of 1,297 smallmouth bass, with a combined mass of 29.4 kg were captured in 1988. This is the largest catch (abundance) in the series; the second largest was in 1985 when 658 individuals were collected. Smallmouth bass represented 22.9% of the abundance and 13.5% of the biomass (combined methods) collected in 1988. Abundance was greatest at Station 3L (53.2%), followed by 4R (39.7%), 4L (35.2%), and 6L (28.7%) (Table 9).

Young-of-the-year smallmouth bass (40-100 mm) comprised 91.0% of the total catch (Fig 4), suggesting a highly successful spawn in 1988. The length-frequency distribution, excluding 40- to 100-mm fish, is dominated by 220- to 280-mm fish (Fig. 5). The strength of this year class is likely due to the relative strength of age-II+ fish in 1987

(Dickson 1988). Total length at age I through V+ for smallmouth bass was developed from scale analysis during 1988 (Table 11). Mean total length of age-III+ smallmouth bass, 250.7 mm, from the Kankakee River appears to be similar to values obtained from other Midwestern streams (Table 12) but is slightly lower than the 269.24 mm reported by the Illinois Department of Conservation. Their mean for smallmouth bass reflects statewide growth relationships, which include southern and impoundment stocks.

Length-frequency distributions for gizzard shad (Fig. 6) showed domination by young-of-the-year fish (40-120 mm). This indicated a very successful spawn for the second consecutive year (Dickson 1988) and, hence, a good forage base for piscivores.

Golden redhorse (Fig. 7) depict strong year class differentiation and representation. Age-I+ fish (100-160 mm) represented 34% of the golden redhorse captured in 1988, suggesting a highly successful spawn in 1987. However, the relatively low number of young-of-the-year captured in 1987 (12.0% of the golden redhorse catch) does not support this finding.

The length-frequency distributions for longear sunfish (Fig. 8) showed no clear-cut age classes. This obfuscation may be attributed to sexual dimorphism in size at maturity and, in turn, growth rates (Scott and Crossman 1973).

The rock bass length-frequency distributions (Fig. 9) were dominated by young-of-the-year fish (20-60 mm), indicating a successful spawn in 1988. Age-III+ fish (160-200 mm) were the second largest class, comprising 29% of the rock bass catch.

Community Characteristics

DIVERSITY. Mean diversity for all stations during 1988 by each collection method and combined methods is given in Table 13. Seining diversity for 1988 increased at 6 of 11 stations compared with values in 1987. Electrofishing diversity for 1988 showed the opposite trend, decreasing at 7 of 11 stations compared with 1987 values. The combined diversity for all stations decreased at 7 of 11 stations; the lowest diversity values to date were recorded at stations 1L, 1R, 3L, 4R, 5L, and 6L.

ANOMALIES. In 1988, 12.1% of the total catch of fishes in the monitoring area displayed some external anomaly (Table 14), which is similar to that of 1987 (9.55%). *Neascus* infections were the most common, comprising 82.2% of all anomalies. Fish collected at Station 2, Horse Creek, showed the highest per station incidence rate of *Neascus* (19.5%). Stations on the left bank of the Kankakee River generally had higher infection rates than those on the right (Table 14). In 1986, the incidence of *Neascus* infections was highest at all right bank stations. Kwak (1987) felt that Horse Creek may be a source of *Neascus* for the river and that the right shoreline provided more suitable habitat for *Neascus* hosts. The 1987 and 1988 data do not support the latter portion of his conclusion. All other anomaly (leech, *Lernaea*, fungus, malformations, ich, *Argulus*, and injuries) incidence rates were <1%, and in most cases <0.5%, of the total catch.

Spatial Characteristics

One-way ANOVA of electrofishing abundance (ln[x]) showed no significant differences between stations for 1988 (Table 15). However, a one-way ANOVA of electrofishing biomass (ln[x]) revealed highly significant differences between stations in 1988 (Table 16). Differences in mean biomass between stations were only marginally distinct (Table 17). Stations 4L (9.2905), 3L (9.2662), 6L (9.1724), 3R (9.1152), 4R (8.4262), 1L (8.4136), and 5L (8.3841) were not significantly different but were greater than stations 5R (8.1881), 1R (7.9709), 6R (7.7439), and 2 (7.5333); the mean biomasses within the latter group were not significantly different from each other.

One-way ANOVAs of seine abundance (ln[x]) and biomass (ln[x]) displayed opposite differences. A one-way ANOVA of seine biomass (ln[x]) revealed no significant differences between stations (Table 18). Yet, a one-way ANOVA of seine abundance (ln[x]) showed significant differences between stations (Table 19). Duncan's multiple range comparison of means demonstrates the relative differences among stations (Table 20). However, these differences are not very distinct for seine mean abundance. Stations 5L (4.5417), 5R (4.2446), 4R (3.8585), and 1R (3.7839) did not differ significantly from each other but differed from stations 6R (3.3172), 2 (3.3071), 3L (3.2452), 4L (3.0217), 3R (2.8235), 1L 2.7262), and 6L (2.3099).

Series Review

Since this is the eleventh year of sampling at the Braidwood Station aquatic monitoring area, a review of the data is in order. This section will attempt to identify possible trends and assess faunal relationships from temporal and spatial standpoints.

Table 21 gives the total catch and total biomass for August samples from 1977 through 1988; fluctuations expectedly occur from year to year. Table 22 gives the relative percentage of the total catch (abundance) of the dominant species from 1978 to 1988. Smallmouth bass and bluntnose minnow appear in all but 2 years. Their combined abundance comprises 20.7% of the total catch collected during the 11 years of the study. Table 23 provides relative biomass of the dominant species collected from 1977 through 1988. Smallmouth bass and golden redhorse are among the five dominant species in all years and account for 29.2% of the total fish biomass collected during the 11 years.

Condition

Fulton's condition factor, K(TL) (Ricker 1975), is a useful index of the well being of fishes and is suitable for comparing different individuals of the same species. It can be applied to indicate differences due to sex, season, or location. Changes in condition (temporally or spatially) can indicate that an environmental factor, biological factor, or combination of factors has altered the growth characteristics of an individual or population. Mean condition factors for fish species collected in 1988 are given in Table 24. Mean condition factors and their 95% confidence intervals for smallmouth bass (Table 25), golden redhorse (Table 26), rock bass (Table 27), largemouth bass (Table 28), and spotfin shiner (Table 29) indicate that these species (some with differing functional guilds) have maintained relatively stable conditions over the 11-year study. All yearly confidence intervals overlap, indicating no yearly differences in condition.

Condition factor information generated from the literature is provided in Tables 30-34 to compare growth characteristics of fish species from the Kankakee River, other watersheds in Illinois, and other Midwestern streams. The condition of rock bass from the Kankakee has been somewhat lower than other Midwestern drainages but falls within the range for northeastern Illinois streams (Table 31). Using Minnesota condition assessment standards, rock bass in the Kankakee River are in poor to average condition. Smallmouth bass

condition throughout this study is similar to that reported in the literature. Golden redhorse condition is similar, although the mean condition in the Kankakee River is marginally lower than that of other collections (Table 33).

Diversity

A one-way ANOVA, by year without replication, of the mean diversity (combined methods) from 1979-1988 showed highly significant differences (Table 35). A Student-Newman-Keuls (SNK) *a posteriori* test (Sokal and Rohlf 1969) was used to discern differences between yearly means (Table 36). The mean diversity of 1981 (3.590) remained the highest of the series. Dickson (1988) observed that diversity appeared to be decreasing in recent collections and diversity in 1988 follows this trend, with the lowest mean value (2.362) of the 11-year series.

A one-way ANOVA (Table 37), by station without replication, of the mean diversity (combined methods) from 1979-1988 revealed no differences between stations at the 0.05 level of significance.

Abundance

A one-way ANOVA, by year without replication, of the square root of total abundance (Table 38) indicated highly significant differences during the study. SNK analysis (Table 39) discerned yearly differences in mean abundance; abundance in 1985 (28.589) remained the highest, followed by 1988 (22.837). Dickson (1988) suggested that low water levels were responsible for the high abundance in 1985. The relatively high abundance and extremely low flows in 1988 support this suggestion.

A one-way ANOVA, by station without replication, of the square root of total abundance for the years 1978 to 1988 shows highly significant differences between stations (Table 40). SNK analysis (Table 41) reveals the significant differences among stations. Station 2 (25.846) had a greater mean abundance than all other stations. Mean abundance at 5R (21.967) and 5L (24.412) are larger than 4R (14.035), 3L (14.088), 3R (14.204), 6R (14.269), 4L (14.639), and 1R (16.214). These differences could be attributed to sampling regime and/or habitat differences.

Biomass

A one-way ANOVA, by year without replication, of the natural log of total biomass of fish captured (combined methods) from 1978 to 1988 indicated significant differences between years (Table 42). SNK analysis (Table 43) showed that the biomass in 1981 (10.369) was significantly greater than all other years. Mean biomass for all years, except 1979 (9.472) and 1987 (9.465), was significantly different than the low mean for 1978 (9.283).

A one-way ANOVA, by station without replication, of the natural log of total biomass of fish captured (combined methods) from 1978 to 1988 showed highly significant differences between stations (Table 44). Further analysis using SNK (Table 45) revealed the highest mean biomass at stations 6L (10.447) and 1L (10.030). Stations 4R (9.061), 6R (9.346), 3R (9.365), 4L (9.463), and 3L (9.941) all differed significantly from stations 1R (9.760), 5L (9.941), 2 (10.022), 1L (10.030), and 6L (10.447) but not from each other.

Smallmouth Bass

Smallmouth bass abundance has varied throughout the study (Table 46). The highest abundance was in 1988 (1,297) and the lowest in 1982 (100). A one-way ANOVA, by year without replication, of the square root of total abundance of smallmouth bass collected (combined methods) from 1978 to 1988 indicated significant differences between years (Table 47). SNK analysis of mean smallmouth bass abundance (Table 48) elucidated the yearly differences. Highest mean abundance (10.711) of smallmouth bass occurred in 1988 followed by 1985 (7.454) and the lowest (2.719) in 1982. There were no statistical differences between the remaining years. The low water levels during sampling in 1985 and 1988 probably accounted for the high values in those years.

A one-way ANOVA, by station without replication, of the square root of total abundance of smallmouth bass collected (combined methods) from 1978 to 1988 revealed significant differences between years (Table 49). SNK analysis for mean abundance of smallmouth bass by station, 1978-1988, showed that stations 1L (7.454), 6L (7.226), and 2 (6.694), while not differing from each other, differed significantly from all other stations (Table 50). These differences may be attributed to habitat similarities for stations 6L and 1L (rocky shoals with moderate current and shoreline vegetation beds). The habitat at Station 2,

Horse Creek, is unlike that of 6L and 1L; however, its use as a nursery area for young-of-the-year smallmouth bass could explain its similar abundance.

Concluding Remarks

The data generated during this series and its subsequent analysis are providing valuable insight into the characteristics of the fish community in the Kankakee River and Horse Creek. Although one would expect spatial and temporal variation in biomass, abundance, and diversity, some basic patterns are becoming evident. Some of the variation in community characteristics is due to an interplay of biotic and abiotic factors. However, it should be remembered that sampling procedures and gear efficiency must be evaluated when fish populations are assessed and conclusions postulated (Bayley and Austen 1987), as they too can contribute considerably to this variation.

TEMPORAL CONSIDERATIONS. Abundance was highest in 1985 and 1988, probably due to greater capture efficiency in low water as fish tend to congregate. The remaining years will provide reasonable abundance figures for comparisons after plant operation commences. Biomass was highest in 1981; other years compare favorably among themselves and should provide representative biomass values for comparison after plant operation commences. The removal of yearly data (outliers) that may reflect changes in capture efficiency, and not true biological or environmental variation, will enhance the sensitivity of future comparisons and will more effectively detect impact-induced community changes.

SPATIAL CONSIDERATIONS. Stations in the monitoring area vary considerably. A wide cross-section of river habitat is available to the fish community. Relationships that may provide the most valuable impact data are:

> Stations 1L and 6L—These stations are very similar in habitat type (described previously). This similarity is reflected in biomass and abundance of all species, especially abundance of smallmouth bass. This relationship may be the most reliable far-field comparison of pre-operational and post-operational data, if impacts extend that distance.
>
> Stations 5L and 5R—These stations have very similar habitats but are attractive to a different complex of fish species than stations 1L and 6L. Compositionally, 5L and 5R were similar in 1988. Furthermore, they show similar abundance values over the length of the study. These stations may be the most reliable near-field comparison of pre-operational and post-

operational data. Diversity at these two stations and at 1L and 1R compare favorably. Although diversity is not the best indicator of environmental quality, it can provide supplemental information on possible impacts and should be examined.

Station 2—Horse Creek has continually maintained moderate biomass and high abundance throughout the series. Compositionally it remains distinct from all other stations during the 11-year series and will probably remain so.

These strong relationships are especially important to the sampling approach and capture efficiency. These stations, particularly 1L, 6L, 5L, and 5R, may have reduced variability due to greater similarity in sampling procedure and efficiency and may reflect the most accurate and reliable changes if impact occurs (Dickson 1988).

SUMMARY

1. Forty-seven fish species representing 14 families were collected from the Kankakee River and Horse Creek in the Braidwood Station aquatic monitoring area in August 1988. The rudd (*Scardinius erythrophthalmus*) was collected for the first time in this series at Station 5R.

2. Two fishes currently or previously collected in the monitoring area have been recommended as threatened or endangered species in Illinois. The pallid chub, *Hybopsis amnis*, is recommended as endangered; none were collected for the second consecutive year. This species has been present, although in low numbers, in all other collections except 1977 and 1987. The river redhorse, *Moxostoma carinatum*, is recommended as threatened; in 1988, nine individuals were collected from designated stations.

3. Total fish biomass was 217 kg in 1988, up from 196 kg in 1987. Total catch was 6,058 fish in 1988, the third largest catch in the series.

4. Golden redhorse, smallmouth bass, gizzard shad, carp, and quillback accounted for 69.8% of the total biomass in 1988.

5. Smallmouth bass, gizzard shad, longear sunfish, rosyface shiner, and bluntnose minnow numerically comprised 58.3% of the total catch in 1988.

6. Significant differences were found between stations in the 1988 catch for biomass of electrofishing samples and for abundance in the seine catch. No significant differences were found between stations for electrofishing abundance or for seine biomass.

7. Anomalies in the form of external macroparasites, diseases, malformations, or injuries were found on 12.0% of the total catch; *Neascus* was responsible for 10.0% of those occurrences.

8. Condition, K(TL), of smallmouth bass, golden redhorse, rock bass, largemouth bass, and spotfin shiner has remained relatively constant over the 11-year sampling period.

9. One-way ANOVAs revealed highly significant differences between years but no significant differences were detected between stations for mean diversity over the 11-year sampling period. Mean diversity for 1988 was the lowest in this series but was not significantly different than that in 1987, 1986, 1985, 1983, and 1984. Mean diversity for 1981 was higher than all other years.

10. One-way ANOVAs revealed highly significant differences between years and between stations for total abundance from 1978 to 1988. Mean abundance was highest in 1985 and lowest in 1982. Station 2, 5L, and 5R had higher mean abundances than the other stations.

11. One-way ANOVAs revealed highly significant differences between years and between stations for total biomass from 1978 to 1988. The highest mean biomass was in 1981.

12. One-way ANOVAs revealed highly significant differences between years and between stations for smallmouth bass abundance from 1978 to 1988. The highest abundance was in 1988 and the lowest mean abundance was in 1982. Stations 1L, 6L, and 2 had the highest mean abundance of all stations.

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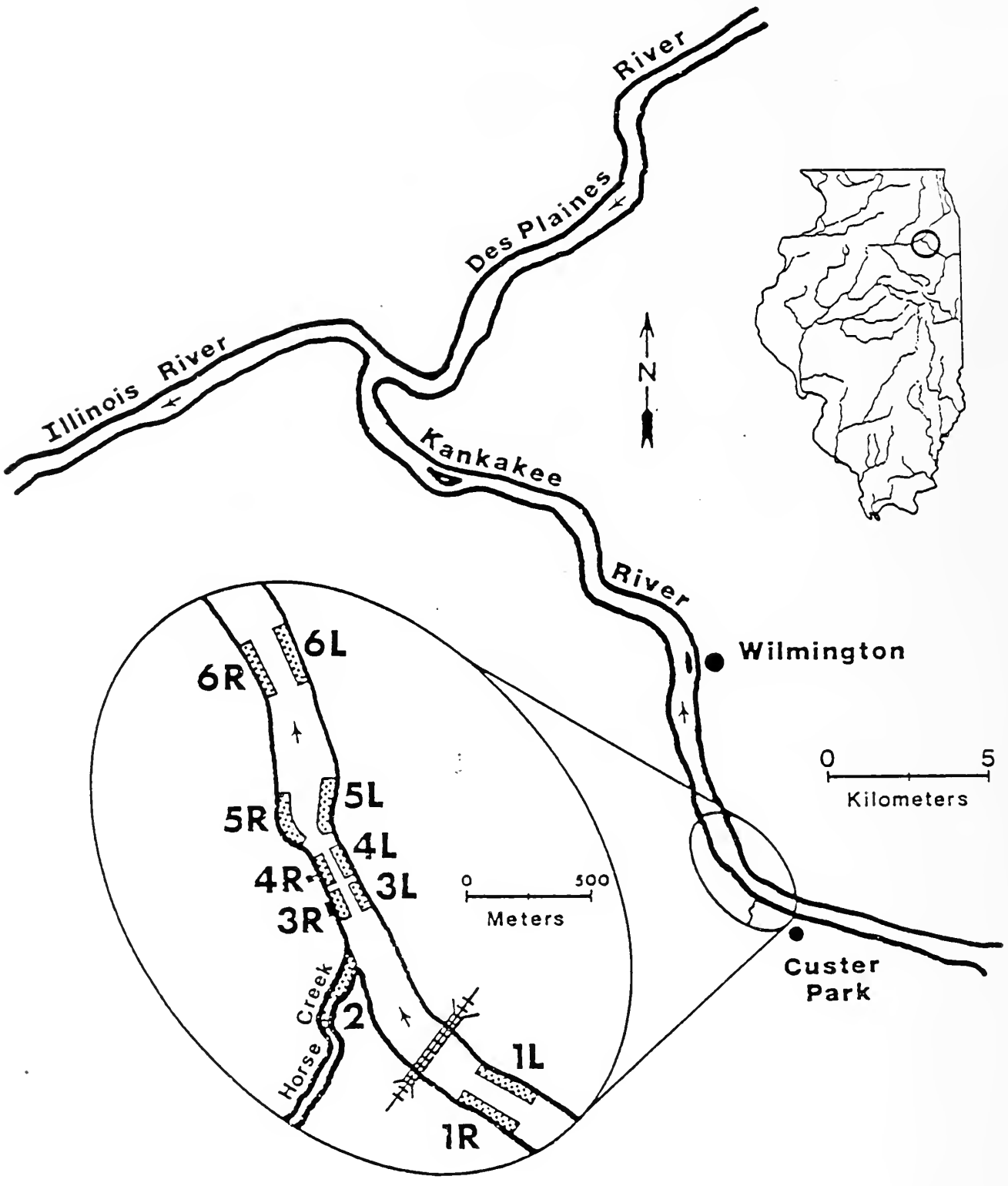

Fig. 1. Locations of sampling stations in the Braidwood Station aquatic monitoring area.

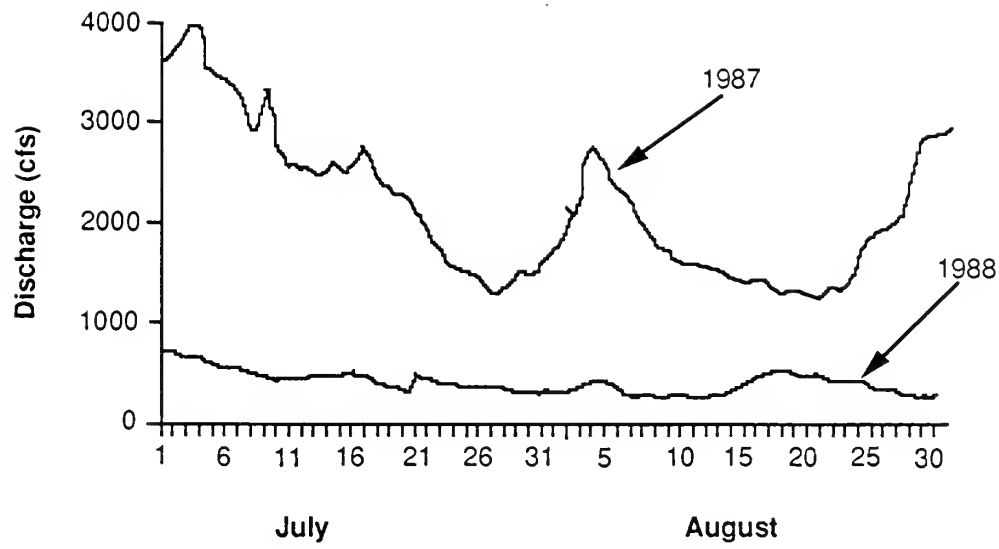

Fig. 2. Mean daily discharge (cfs) for the Kankakee River near Wilmington, Illinois, July and August, 1987-1988.

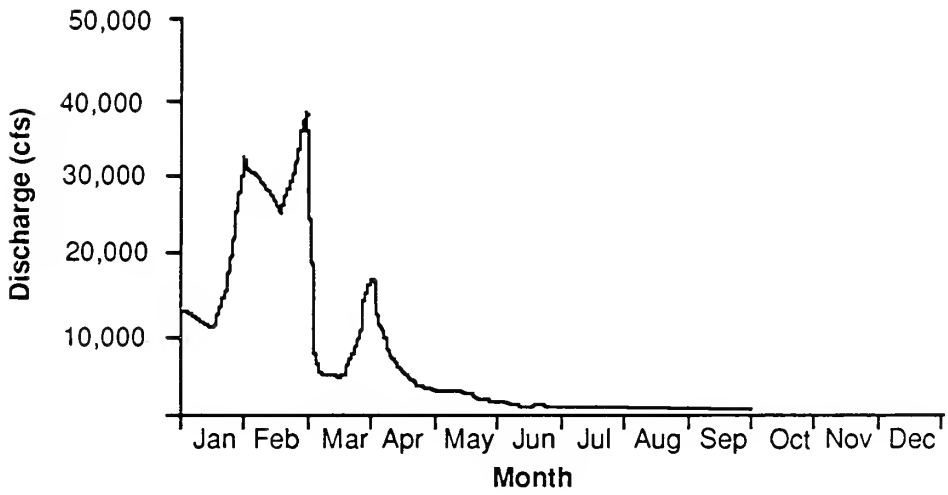

Fig. 3. Five-day mean discharge (cfs) for the Kankakee River near Wilmington, Illinois, 1988.

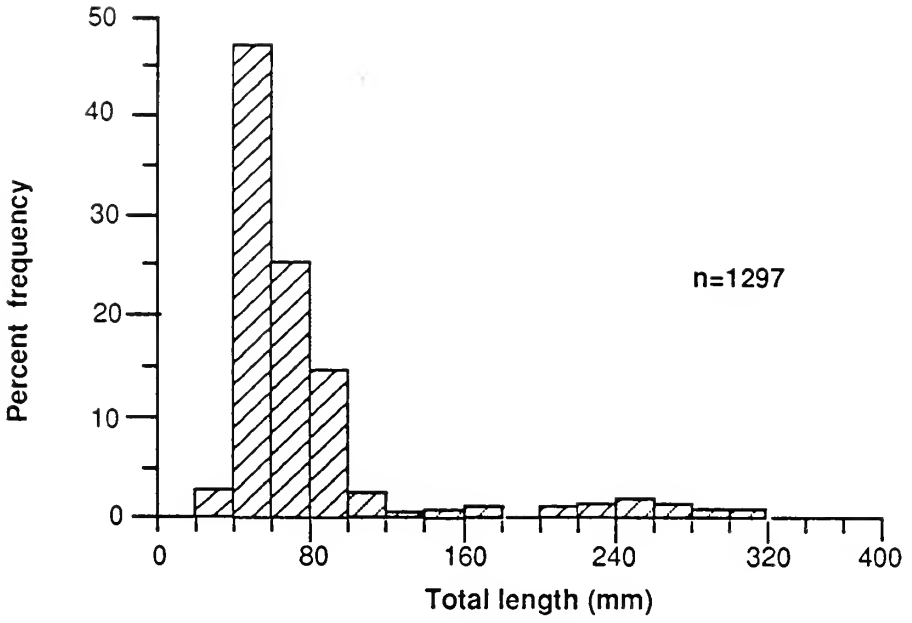

Fig. 4. Length-frequency distribution for smallmouth bass collected from the Kankakee River and Horse Creek, August 1988.

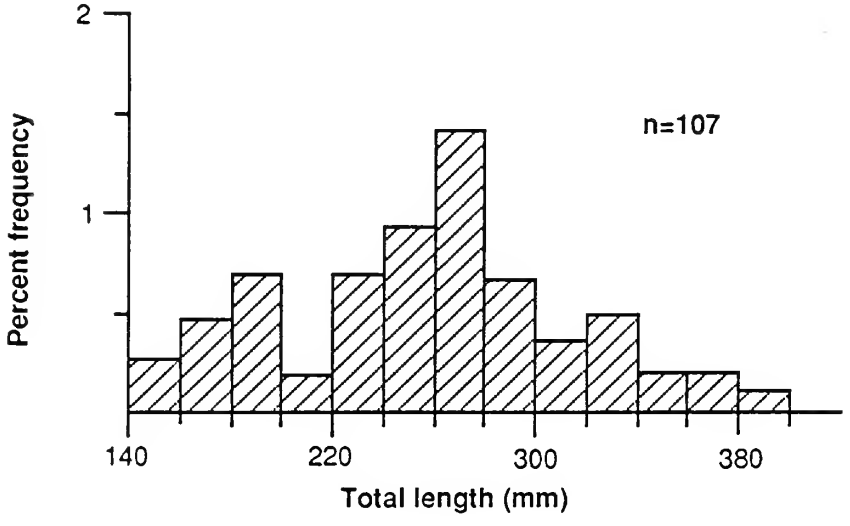

Fig. 5. Length-frequency distribution for smallmouth bass 140-390 mm TL collected from the Kankakee River and Horse Creek, August 1988.

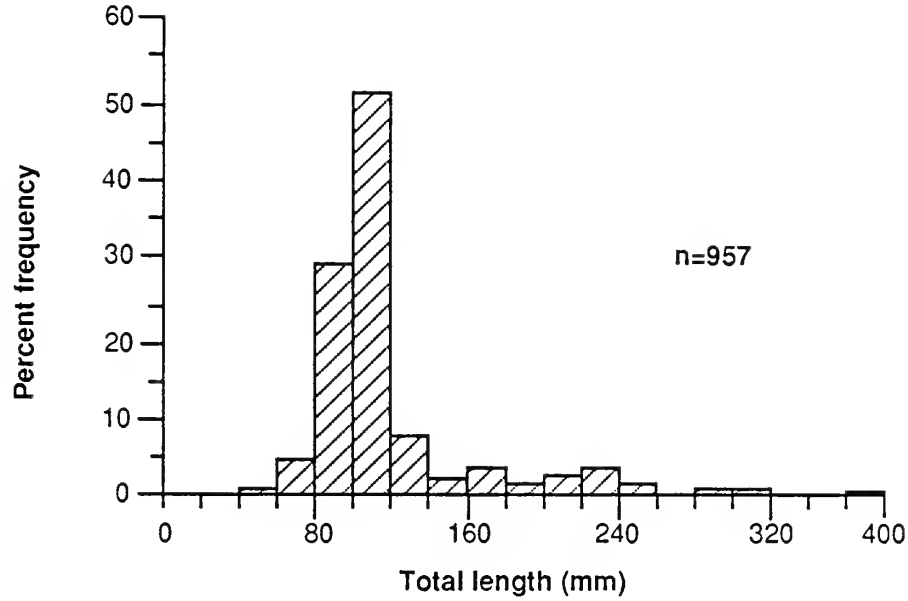

Fig. 6. Length-frequency distribution for gizzard shad collected from the Kankakee River and Horse Creek, August 1988.

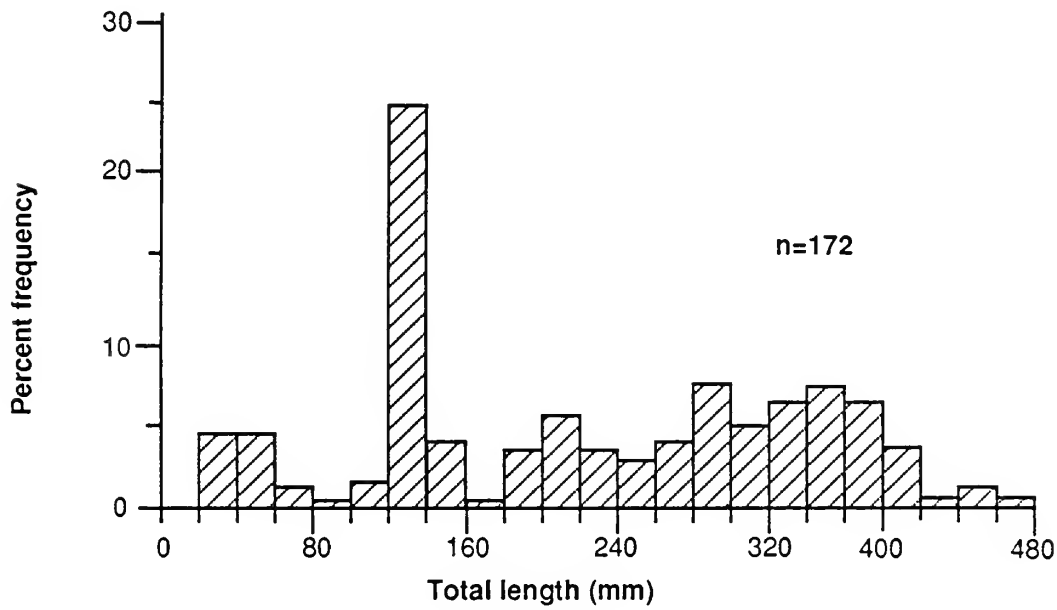

Fig. 7. Length-frequency distribution for golden redhorse collected from the Kankakee River and Horse Creek, August 1988.

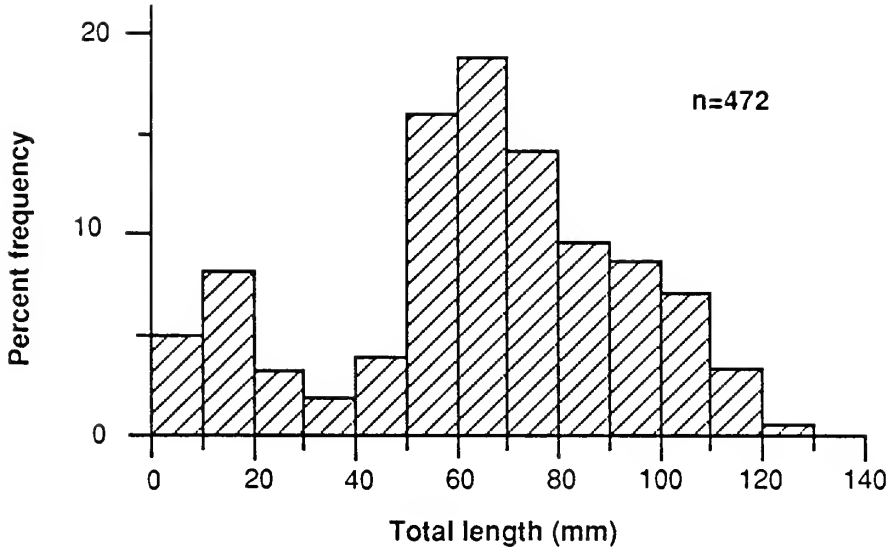

Fig. 8. Length-frequency distribution for longear sunfish collected from the Kankakee River and Horse Creek, August 1988.

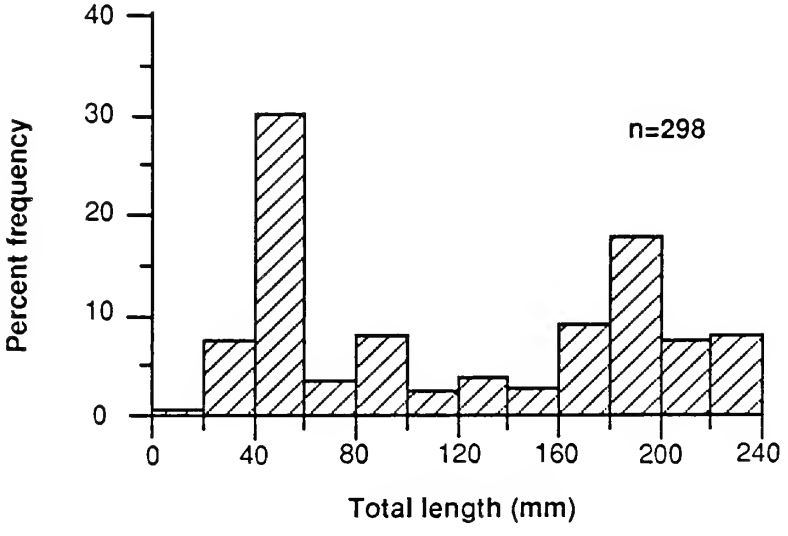

Fig. 9. Length-frequency distribution for rock bass collected from the Kankakee River and Horse Creek, August 1988.

Table 1. Dates when the Braidwood Generating Station was decoupled from the Kankakee River due to low water flows during 1988.

Not decoupled (pumping when needed, not limited by low water)	Decoupled	Pumping
Before 8 Jul	8-13 Jul	14-15 Jul
	16 Jul	17 Jul
	18 Jul	19 Jul
	20 Jul	21 Jul
	22 Jul-14 Aug*	15-20 Aug
	21-22 Aug	
After 23 Aug		

*includes sampling period 1-11 Aug.

Table 2. Fishes collected from the Kankakee River and Horse Creek in the Braidwood Station Aquatic Monitoring Area from 1977 through 1988.

Lepisosteidae	
Lepisosteus osseus (Linnaeus)	Longnose gar
Amiidae	
Amia calva Linnaeus	Bowfin
Anguillidae	
Anguilla rostrata (Lesueur)	American eel
Clupeidae	
Dorosoma cepedianum (Lesueur)	Gizzard shad
Dorosoma petenense (Günther)	Threadfin shad
Salmonidae	
Salmo gairdneri Richardson	Rainbow trout
Umbridae	
Umbria limi (Kirtland)	Central mudminnow
Esocidae	
Esox americanus Gmelin	Grass pickerel
Esox lucius Linnaeus	Northern pike
Cyprinidae	
Carassius auratus (Linnaeus)	Goldfish
Cyprinus carpio Linnaeus	Carp
Notemigonus crysoleucas (Mitchill)	Golden shiner
Scardinius erthropthalmus Linnaeus	Rudd
Semotilus atromaculatus (Mitchill)	Creek chub
Nocomis biguttatus (Kirtland)	Hornyhead chub
Phenacobius mirabilis (Girard)	Suckermouth minnow
Hybopsis amnis (Hubbs & Greene)	Pallid chub
Notropis atherinoides Rafinesque	Emerald shiner
Notropis buchanani Meek	Ghost shiner
Notropis chrysocephalus (Rafinesque)	Striped shiner
Notropis dorsalis (Agassiz)	Bigmouth shiner
Notropis emiliae (Hay)	Pugnose minnow
Notropis lutrensis (Baird & Girard)	Red shiner
Notropis rubellus (Agassiz)	Rosyface shiner
Notropis spilopterus (Cope)	Spotfin shiner
Notropis stramineus (Cope)	Sand shiner
Notropis umbratilis (Girard)	Redfin shiner
Notropis volucellus (Cope)	Mimic shiner
Ericymba buccata Cope	Silverjaw minnow
Pimephales notatus (Rafinesque)	Bluntnose minnow
Pimephales promelas Rafinesque	Fathead minnow
Pimephales vigilax (Baird & Girard)	Bullhead minnow
Campostoma anomalum (Rafinesque)	Common stoneroller
Catostomidae	
Ictiobus bubalus (Rafinesque)	Smallmouth buffalo
Ictiobus cyprinellus (Valenciennes)	Bigmouth buffalo
Carpiodes carpio (Rafinesque)	River carpsucker
Carpiodes cyprinus (Lesueur)	Quillback
Moxostoma anisurum(Rafinesque)	Silver redhorse
Moxostoma carinatum (Cope)	River redhorse
Moxostoma duquesnei (Lesueur)	Black redhorse
Moxostoma erythrurum (Rafinesque)	Golden redhorse
Moxostoma macrolepidotum (Lesueur)	Shorthead redhorse
Hypentelium nigricans (Lesueur)	Northern hog sucker
Catostomus commersoni (Lacépède)	White sucker
Minytrema melanops (Rafinesque)	Spotted sucker
Erimyzon oblongus (Mitchill)	Creek chubsucker
Erimyzon sucetta (Lacépède)	Lake chubsucker
Ictaluridae	
Ictalurus melas (Rafinesque)	Black bullhead
Ictalurus natalis (Lesueur)	Yellow bullhead
Ictalurus nebulosus (Lesueur)	Brown bullhead
Ictalurus punctatus (Rafinesque)	Channel catfish

Table 2 (concluded).

Noturus flavus Rafinesque	Stonecat
Noturus gyrinus Mitchill	Tadpole madtom
Aphredoderidae	
Aphredoderus sayanus (Gilliams)	Pirate perch
Cyprinodontidae	
Fundulus notatus (Rafinesque)	Blackstripe topminnow
Atherinidae	
Labidesthes sicculus (Cope)	Brook silverside
Percichthyidae	
Morone mississippiensis Jordan & Eigemann	Yellow bass
Centrarchidae	
Micropterus dolomieui Lacépède	Smallmouth bass
Micropterus salmoides (Lacépède)	Largemouth bass
Lepomis cyanellus Rafinesque	Green sunfish
Lepomis gibbosus (Linnaeus)	Pumpkinseed
Lepomis gulosus (Cuvier)	Warmouth
Lepomis humilis (Girard)	Orangespotted sunfish
Lepomis macrochirus (Rafinesque)	Bluegill
Lepomis megalotis (Rafinesque)	Longear sunfish
Ambloplites rupestris (Rafinesque)	Rock bass
Pomoxis annularis Rafinesque	White crappie
Pomoxis nigromaculatus (Lesueur)	Black crappie
Percidae	
Stizostedion vitreum (Mitchill)	Walleye
Perca flavescens (Mitchill)	Yellow perch
Percina caprodes (Rafinesque)	Logperch
Percina maculata (Girard)	Blackside darter
Percina phoxocephala (Nelson)	Slenderhead darter
Etheostoma caeruleum Storer	Rainbow darter
Etheostoma microperca Jordan & Gilbert	Least darter
Etheostoma nigrum Rafinesque	Johnny darter
Etheostoma zonale (Cope)	Banded darter
Scaenidae	
Aplodinotus grunniens Rafinesque	Freshwater drum

Table 3. Total catch of the pallid chub and river redhorse from designated stations in the Braidwood Station aquatic monitoring area , 1977-1988.

	1977	1978	1979	1981	1982	1983	1984	1985	1986	1987	1988
Pallid chub	0	1	9	3	2	1	49	16	4	0	0
River redhorse	70	10	46	26	10	4	5	18	103	17	9

Table 4. Total catch (by method) for each fish species collected from the Kankakee River and Horse Creek, August 1988. Biomass (Wt.) is in grams.

Species	Electrofishing		Seining		Total	
	No. (%)	Wt. (%)	No. (%)	Wt. (%)	No. (%)	Wt. (%)
Longnose gar	48(1.2)	1456.0(0.7)	2(0.1)	27.2(0.4)	50(0.8)	1483.2(0.7)
Gizzard shad	892(22.3)	26570.3(12.7)	65(3.2)	771.3(10.5)	957(15.8	27341.6(12.6)
Grass pickerel	1(0.0)	15.0(0.0)	2(0.1)	28.3(0.4)	3(0.0)	43.3(0.0)
Rudd	0(0.0)	0.0(0.0)	1(0.0)	15.0(0.2)	1(0.0)	15.0(0.0)
Carp	144(3.6)	22252.8(10.6)	2(0.1)	61.0(0.8)	146(2.4)	22313.7(10.3)
Hornyhead chub	7(0.2)	12.0(0.0)	11(0.5)	20.7(0.3)	18(0.3)	32.7(0.0)
Golden shiner	2(0.0)	70.0(0.0)	0(0.0)	0.0(0.0)	2(0.0)	70.0(0.0)
Striped shiner	225(5.6)	380.4(0.2)	122(6.0)	91.4(1.2)	347(5.7)	471.9(0.2)
Rosyface shiner	160(4.0)	141.0(0.1(	250(12.2)	194.8(2.7)	410(6.8)	335.8(0.2)
Spotfin shiner	79(2.0)	224.8(0.1)	87(4.2)	55.5(0.8)	166(2.7)	280.4(0.1)
Sand shiner	34(0.8)	46.6(0.0)	222(10.8)	51.2(0.7)	256(4.2)	97.8(0.0)
Redfin shiner	28(0.7)	25.5(0.0)	70(3.4)	74.3(1.0)	98(1.6)	99.8(0.0)
Mimic shiner	33(0.8)	44.1(0.0)	1(0.0)	0.6(0.0)	34(0.6)	44.7(0.0)
Suckermouth minnow	5(0.1)	5.11(0.0)	2(0.1)	2.2(0.0)	7(0.1)	7.4(0.0)
Bluntnose minnow	186(4.6)	411.0(0.2)	209(10.2)	194.1(2.6)	395(6.5)	605.1(0.3)
Bullhead minnow	16(0.4)	51.0(0.0)	10(0.5)	13.3(0.2)	26(0.4)	64.3(0.0)
Quillback	43(1.1)	21421.1(10.2)	18(0.9)	59.2(0.8)	61(1.0)	21480.3(9.9)
White sucker	1(0.0)	4.5(0.0)	0(0.0)	0.0(0.0)	1(0.0)	4.5(0.0))
Northern hog sucker	33(0.8)	13786.1(6.6)	1(0.0)	9.2(0.1)	34(0.6)	13795.4(6.4)
Smallmouth buffalo	6(0.1)	323.1(0.2)	0(0.0)	0.0(0.0)	6(0.1)	323.1(0.1)
Silver redhorse	31(0.8)	851.0(0.4)	1(0.0)	2.0(0.0)	32(0.5)	853.0(0.4)
River redhorse	9(0.2)	3252.7(1.5)	0(0.0)	0.0(0.0)	9(0.1)	3252.7(1.5)
Black redhorse	5(0.1)	1414.4(0.7)	0(0.0)	0.0(0.0)	5(0.1)	1414.4(0.7)
Golden redhorse	169(4.2)	54978.4(26.2)	3(0.1)	11.2(0.2)	172(2.8)	54989.6(25.3)
Shorthead redhorse	102(2.5)	8094.7(3.9)	0(0.0)	0.0(0.0)	102(1.7)	8094.7(3.7)
Yellow bullhead	0(0.0)	0.0(0.0)	1(0.0)	8.7(0.1)	1(0.0)	8.7(0.0)
Channel catfish	1(0.0)	1180.4(0.6)	0(0.0)	0.0(0.0)	1(0.0)	1180.4(0.5)
Stonecat	2(0.0)	44.0(0.0)	0(0.0)	0.0(0.0)	2(0.0)	44.0(0.0)
Blackstripe topminnow	1(0.0)	1.1(0.0)	76(3.7)	47.0(0.6)	77(1.3)	48.1(0.0)
Brook silverside	52(1.3)	57.3(0.0)	60(2.9)	48.2(0.7)	112(1.8)	105.5(0.0)
Rock bass	168(4.2)	16971.3(8.1)	130(6.3)	1156.1(15.8)	298(4.9)	18127.4(8.3)
Green sunfish	60(1.5)	1275.2(0.6)	25(1.2)	362.1(4.9)	85(1.4)	1637.3(0.8)
Orangespotted sunfish	43(1.1)	450.0(0.2)	29(1.4)	104.0(1.4)	72(1.2)	553.9(0.3)
Bluegill	5(0.1)	322.0(0.2)	1(0.0)	0.6(0.0)	6(0.1)	322.6(0.1)
Longear sunfish	279(7.0)	4137.4(2.0)	193(9.4)	1557.6(21.3)	472(7.8)	5695.0(2.6)
Smallmouth bass	917(22.9)	27336.7(13.0)	380(18.5)	2091.3(28.5)	1297(21.4)	29428.0(13.5)
Largemouth bass	13(0.3)	1592.4(0.8)	9(0.4)	129.8(1.8)	22(0.4)	1722.1(0.8)
Black crappie	0(0.0)	0.0(0.0)	2(0.1)	11.9(0.2)	2(0.0)	11.9(0.0)
Johnny darter	11(0.3)	6.0(0.0)	46(2.2)	18.2(0.2)	57(0.9)	24.1(0.0)
Banded darter	6(0.1)	4.3(0.0)	2(0.1)	0.8(0.0)	8(0.1)	5.1(0.0)
Yellow perch	3(0.1)	19.5(0.0)	0(0.0)	0.0(0.0)	3(0.0)	19.5(0.0)
Logperch	149(3.7)	444.3(0.2)	6(0.3)	13.2(0.2)	155(2.6)	457.4(0.2)
Blackside darter	15(0.4)	24.3(0.0)	9(0.4)	19.0(0.3)	24(0.4)	43.3(0.0)
Slenderhead darter	22(0.5)	53.6(0.0)	1(0.0)	0.4(0.0)	23(0.4)	54.0(0.0)
Walleye	1(0.0)	45.0(0.0)	0(0.0)	0.0(0.0)	1(0.0)	45.0(0.0)
All species	4008	209860.5	2050	7327.3	6058	217187.7

Table 5. Percent composition by biomass and rank (in parentheses) of the dominant fishes collected at all stations in the Kankakee River and Horse Creek, both methods, August 1988. Similar data from 1987 are provided for comparison.

Species	1988	1987
Golden redhorse	25.3 (1)	16.6 (1)
Smallmouth bass	13.5 (2)	15.1 (2)
Gizzard shad	12.6 (3)	14.1 (3)
Carp	10.3 (4)	7.8 (6)
Quillback	9.9 (5)	13.2 (4)
Rock bass	8.3 (6)	9.4 (5)
Northern hog sucker	6.4 (7)	2.3 (10)
Shorthead redhorse	3.7 (8)	–
Longear sunfish	2.6 (9)	3.6 (8)
River redhorse	1.5 (10)	–

Table 6. Percent composition by total abundance and rank (in parentheses) of the dominant fishes collected at all stations in the Kankakee River and Horse Creek, both methods, August 1988. Similar data from 1987 are provided for comparison.

Species	1988	1987
Smallmouth bass	21.4 (1)	–
Gizzard shad	15.8 (2)	6.0 (4)
Longear sunfish	7.8 (3)	10.4 (3)
Rosyface shiner	6.8 (4)	–
Bluntnose minnow	6.5 (5)	13.2 (2)
Striped shiner	5.7 (6)	–
Rock bass	4.9 (7)	4.7 (7)
Sand shiner	4.2 (8)	–
Golden redhorse	2.8 (9)	4.1 (9)
Spotfin shiner	2.7 (10)	21.9 (1)

Table 7. Mean biomass (g) and range, percent composition by weight, and rank (R) of the total catch of dominant fishes collected at each station from electrofishing samples in the Kankakee River and Horse Creek, August 1988.

Species	1L	1R	2	3L	3R	4L	4R	5L	5R	6L	6R
Golden redhorse											
Mean	1441.4	784.4	-	2944.2	666.8	3027.5	1873.6	44.9	236.8	2397.4	327.7
Range	316-3104	171-1739		1135-5571	219-1459	909-6575	0-4880	0-117	0-512	681-4995	51-896
%(R)	28.9(1)	23.8(2)		50.9(1)	13.2(3)	50.4(1)	48.0(1)	1.0(9)	5.7(5)	23.2(1)	13.4(3)
Smallmouth bass											
Mean	1024.9	345.9	130.2	442.6	771.7	637.3	360.3	493.5	050.2	1896.0	226.5
Range	44-2579	191-474	66-234	211-793	219-1459	100-1679	81-1093	147-1034	42-1438	505-2707	41-460
%(R)	20.5(2)	10.5(4)	6.7(5)	7.7(3)	15.3(2)	10.6(2)	9.2(3)	10.8(2)	12.2(4)	18.3(2)	9.2(5)
Gizzard shad											
Mean	379.1	609.0	272.9	-	449.5	530.2	101.0	2015.4	591.6	1164.8	392.1
Range	0-1372	266-1208	84-531		10-726	0-1192	0-404	1136-3348	22-1773	587-1884	90-799
%(R)	7.6(4)	18.5(3)	14.2(1)		8.9(4)	8.8(3)	2.6(8)	44.2(1)	14.3(3)	11.3(5)	16.0(2)
Carp											
Mean	346.7	219.2	688.8	31.2	1985.6	203.2	14.8	380.6	1399.4	159.5	134.0
Range	83-999	0-683	172-1446	0-76	63-4222	69-532	0-59	89-804	0-4672	0-407	0-283
%(R)	6.9(5)	6.7(5)	35.5(1)	0.5(7)	39.4(1)	3.4(7)	0.4(9)	8.4(3)	33.8(1)	1.5(9)	5.5(8)
Quillback											
Mean	227.0	856.9	2.6	238.4	-	323.5	510.8	212.4	690.0	1708.1	585.6
Range	0-908	0-1702	0-10	0-953		0-794	0-2034	0-819	0-1861	1089-2497	0-1566
%(R)	4.5(8)	26.0(1)	0.1(7)	4.1(6)		5.4(6)	13.1(2)	4.7(6)	16.7(2)	16.5(3)	23.9(1)
Rock bass											
Mean	600.7	170.8	75.2	279.6	114.5	499.3	159.1	330.5	214.9	1586.8	211.5
Range	204-1582	0-284	0-132	0-570	0-304	0-1132	0-322	199-441	1-430	760-1868	113-493
%(R)	12.0(3)	5.2(6)	3.9(6)	4.8(4)	2.3(7)	8.3(5)	4.1(6)	7.3(4)	5.2(6)	15.3(6)	8.6(6)
Northern hog sucker											
Mean	185.1	82.0	243.9	1012.2	335.1	526.3	354.7	298.2	-	333.2	75.7
Range	0-726	0-328	0-568	0-2043	0-773	0-1271	0-1419	0-681		0-953	0-303
%(R)	3.7(9)	2.5(8)	12.6(3)	17.5(2)	6.7(5)	8.8(4)	9.1(4)	6.5(5)		3.2(8)	3.1(9)
Shorthead redhorse											
Mean	300.4	63.1	-	275.2	-	102.0	306.4	64.2	5.5	410.4	274.5
Range	5-548	0-172		0-1101		0-408	0-1226	0-161	0-20	0-1419	0-549
%(R)	6.0(6)	1.9(9)		4.8(5)		1.7(8)	7.9(5)	1.4(8)	0.1(8)	4.0(7)	11.2(4)
Longear sunfish											
Mean	64.9	85.4	180.0	10.5	118.7	45.9	152.0	93.3	78.2	39.8	165.7
Range	28-99	0-171	131-256	131-256	0-30	1-242	0-102	28-166	0-206	15-71	0-464
%(R)	1.3(10)	2.6(7)	9.3(4)	0.2(9)	2.4(6)	0.8(9)	3.9(7)	2.0(7)	1.9(7)	0.4(10)	6.8(7)
River redhorse											
Mean	269.6	-	-	22.5	1.1	-	-	-	-	520.0	-
Range	0-624			0-90	0-4					0-1260	
%(R)	5.4(7)			0.4(8)	0.1(8)					5.0(6)	

Table 8. Percent composition by biomass and rank (in parentheses) of the dominant fishes collected at all stations in the Kankakee River and Horse Creek by electrofishing, August 1988. Similar data from 1987 are provided for comparison.

Species	1988	1987
Golden redhorse	26.2 (1)	16.8 (1)
Smallmouth bass	13.0 (2)	15.3 (2)
Gizzard shad	12.7 (3)	14.3 (3)
Carp	10.6 (4)	7.9 (6)
Quillback	10.2 (5)	13.6 (4)
Rock bass	8.1 (6)	9.4 (5)
Northern hog sucker	6.6 (7)	2.3 (10)
Shorthead redhorse	3.9 (8)	–
Longear sunfish	2.0 (9)	3.2 (8)
River redhorse	1.5 (10)	–

Table 9. Mean abundance and range, percent composition by number, and rank (R) of the total catch of dominant fishes collected at each station from electrofishing samples in the Kankakee River and Horse Creek, August 1988.

Species	1L	1R	2	3L	3R	4L	4R	5L	5R	6L	6R
Smallmouth bass											
Mean	23.50	12.25	14.75	33.75	15.00	20.00	17.75	32.00	9.25	39.50	11.50
Range	5-35	8-17	10-21	24-45	7-18	16-23	10-26	22-49	4-15	30-45	5-18
%(R)	23.56(1)	19.60(2)	9.41(4)	53.15(1)	22.64(2)	35.24(1)	39.66(1)	16.38(5)	31.13(1)	4.19(6)	22.95(1)
Gizzard shad											
Mean	22.50	18.50	22.50	-	1.00	1.25	0.25	99.50	8.50	39.75	8.75
Range	0-75	1-36	9-36		1-1	0-2	0-1	46-177	2-17	2-113	1-18
%(R)	22.56(2)	29.60(1)	14.35(1)		1.51(9)	2.20(8)	5.17(8)	51.69(1)	11.37(3)	28.86(1)	18.72(2)
Longear sunfish											
Mean	3.75	5.00	23.50	0.75	5.75	3.50	6.25	5.25	6.75	2.25	7.00
Range	1-5	0-10	10-45	0-2	1-9	0-8	3-10	2-7	0-19	1-5	0-18
%(R)	3.76(6)	8.00(3)	14.99(3)	1.18(5)	8.68(4)	6.17(5)	13.97(2)	2.73(5)	9.03(4)	1.63(8)	14.97(3)
Striped shiner											
Mean	8.25	3.00	8.00	0.25	17.00	2.00	1.50	1.50	11.25	3.00	0.50
Range	2-15	0-9	5-12	1-38	0-6	1-4	0-6	3-24	0-9	0-1	0-1
%(R)	8.27(3)	4.80(6)	5.10(7)	0.39(7)	25.66(1)	3.52(7)	2.78(6)	0.78(9)	15.05(1)	2.18(7)	1.07(8)
Bluntnose minnow											
Mean	6.75	3.75	8.25	-	7.25	-	0.75	6.75	4.25	5.75	3.00
Range	4-9	0-6	4-11		1-14		0-2	0-16	2-6	1-13	0-7
%(R)	6.77(4)	6.00(5)	5.26(6)		10.94(3)		1.68(8)	3.51(3)	5.69(5)	4.17(6)	6.42(5)
Golden redhorse											
Mean	5.75	2.75	-	6.75	2.00	6.00	3.00	1.50	0.75	9.75	4.00
Range	2-10	1-5		2-11	0-4	4-10	0-7	0-3	0-2	1-20	1-9
%(R)	5.76(5)	4.40(7)		10.63(3)	3.02(7)	10.57(4)	6.70(4)	0.78(8)	1.00(10)	7.08(4)	8.56(4)
Rock bass											
Mean	5.75	1.75	0.75	2.50	1.25	6.25	1.50	3.75	3.00	13.75	1.75
Range	2-15	0-3	0-1	0-6	0-2	0-12	0-4	2-5	1-4	5-18	1-4
%(R)	5.76(5)	2.80(8)	0.48(8)	3.94(4)	1.89(8)	11.01(3)	3.35(7)	1.95(7)	4.01(7)	9.98(3)	3.74(6)
Rosyface shiner											
Mean	0.75	1.25	22.25	0.50	0.75	0.25	3.50	1.00	1.00	7.00	0.50
Range	0-1	0-2	10-33	0-2	0-2	0-1	0-13	0-3	0-4	4-17	0-1
%(R)	0.75(9)	2.00(10)	15.00(2)	0.79(6)	1.13(10)	0.44(9)	7.82(5)	0.52(10)	1.34(9)	5.08(5)	1.07(8)
Logperch											
Mean	2.25	4.00	-	9.75	3.00	6.50	4.00	4.75	1.25	1.50	0.25
Range	1-3	1-8		6.13	1-6	6-7	0-9	1-8	1-4	0-3	0-1
%(R)	2.26(7)	6.40(4)		15.35(2)	4.53(5)	11.45(2)	8.94(3)	2.47(6)	1.67(8)	1.09(10)	0.53(9)
Carp											
Mean	1.25	2.00	14.50	0.50	2.00	3.25	0.25	5.50	3.50	1.75	1.50
Range	1-2	0-4	1-37	0-1	2-2	1-8	0-1	2-8	0-7	0-5	0-3
%(R)	1.25(8)	3.20(9)	9.25(5)	0.79(6)	3.02(6)	5.73(6)	0.56(9)	2.86(4)	4.68(6)	1.27(9)	3.21(7)

Table 10. Percent composition of total abundance and rank (in parentheses) of the dominant fishes collected at all stations in the Kankakee River and Horse Creek by electrofishing, August 1988. Similar data from 1987 are provided for comparison.

Species	1988	1987
Smallmouth bass	22.9 (1)	8.7 (5)
Gizzard shad	22.3 (2)	8.2 (6)
Longear sunfish	7.0 (3)	16.5 (1)
Striped shiner	5.6 (4)	–
Bluntnose minnow	4.6 (5)	9.5 (3)
Golden redhorse	4.2 (6)	7.3 (7)
Rock bass	4.2 (7)	8.9 (4)
Rosyface shiner	4.0 (8)	–
Logperch	3.7 (9)	–
Carp	3.6 (10)	–

Table 11. Age and length (mm) of smallmouth bass collected from the Kankakee River in 1988.

Age	N	Mean length	Range	SD
I+	7	125.4	116-143	10.24463
II+	4	191.2	175-218	19.97290
III+	8	250.7	230-270	16.22828
IV+	4	311.0	291-332	18.45716
V+	2	370.5	365-376	7.77815

Table 12. Length (mm) of age-III+ smallmouth bass from other Midwestern streams (Carlander 1977).

Location	N	Mean length	Range
Little Miami River, Ohio	195	214	142-290
Arkansas streams	191	235	152-328
Black River, Missouri	212	264	155-328
Jordan Creek, Illinois	108	279	264-306
Iowa streams	106	291	241-400

Table 13. Mean diversity indices for the catch of fishes at each station during August 1977-1979, August 1981-1983, July and August 1984-1985, and August 1986-1988 for electrofishing, seining, and both methods combined.

Year	1L	1R	2	3L	3R	4L	4R	3-4L	3-4R	5L	5R	6L	6R
							Electrofishing (N=4)						
1977	3.31	2.89	3.15	–	–	–	–	3.31	2.85	3.33	3.31	3.22	2.94
1978	3.12	2.51	3.02	2.68	2.56	2.91	2.75	–	–	2.92	3.73	3.09	2.42
1979	3.04	2.83	3.23	2.75	2.72	2.55	2.65	–	–	3.29	3.05	3.07	2.94
1981	3.16	3.20	3.29	3.11	2.84	2.87	2.90	–	–	3.53	3.38	3.01	2.86
1982	2.65	2.31	3.24	2.15	2.26	2.11	1.93	–	–	2.73	1.17	3.16	2.23
1983	2.72	2.91	3.31	2.63	2.28	2.13	1.66	–	–	3.04	2.46	2.79	2.42
1984	2.55	2.82	2.93	2.35	2.42	2.38	2.53	–	–	2.90	2.40	2.32	2.68
1985	2.66	2.89	3.61	2.44	3.56	2.23	2.77	–	–	3.04	3.33	2.64	3.10
1986	3.09	3.29	3.05	2.87	3.17	3.04	2.84	–	–	3.26	3.19	2.88	3.18
1987	2.93	2.97	3.45	2.74	2.34	2.75	2.71	–	–	3.39	2.51	2.97	2.50
1988	3.22	2.90	3.52	2.14	3.04	2.86	2.43			2.59	3.68	2.60	2.86
							Seining (N = 4)						
1977	2.52	2.21	2.71	2.81	2.16	2.89	2.15	–	–	2.55	2.66	2.60	2.50
1978	1.56	2.15	1.47	1.45	2.19	1.39	1.69	–	–	2.49	2.24	1.29	2.33
1979	2.00	1.85	1.80	1.81	1.31	2.42	1.73	–	–	2.81	2.26	1.29	2.33
1981	1.95	2.25	1.82	2.14	0.78	1.73	1.17	–	–	2.72	2.88	1.67	2.61
1982	1.51	1.10	1.63	0.91	0.00	0.72	0.82	–	–	2.39	2.30	0.80	0.81
1983	1.19	1.11	0.76	0.46	0.23	0.95	0.82	–	–	2.26	2.08	0.47	1.55
1984	1.29	1.05	1.11	1.83	0.71	1.07	0.22	–	–	1.99	1.86	0.84	1.32
1985	2.17	2.69	2.80	1.84	2.05	2.42	2.53	–	–	2.19	3.07	1.32	2.99
1986	1.53	2.24	1.26	1.75	0.87	1.44	1.46	–	–	2.49	1.74	2.34	1.74
1987	1.83	2.34	2.62	1.72	1.35	1.67	2.25	–	–	2.24	2.27	1.45	1.52
1988	1.23	2.30	1.78	1.87	2.00	1.81	1.40			2.64	2.64	0.96	1.90
							Combined (N = 8)						
1977	3.53	3.15	3.15	2.81	2.16	2.89	2.15	3.31	2.85	3.35	3.40	3.84	3.07
1978	3.30	3.17	3.40	2.98	3.01	3.20	3.28	–	–	3.40	3.02	3.22	3.36
1979	3.54	3.09	2.78	3.23	2.65	3.47	3.02	–	–	4.06	2.83	3.62	2.72
1981	3.61	3.72	3.56	3.54	3.23	3.48	3.27	–	–	4.15	4.06	3.29	3.58
1982	3.17	2.85	3.37	2.36	2.39	2.56	2.64	–	–	3.53	2.82	3.11	2.79
1983	2.91	2.84	3.17	2.73	2.15	2.56	2.64	–	–	3.53	2.82	3.11	2.79
1984	2.48	3.07	3.09	2.99	2.42	2.16	2.52	–	–	3.12	2.88	2.29	2.86
1985	2.42	2.79	3.21	2.14	2.80	2.32	2.65	–	–	2.62	3.20	1.98	3.04
1986	2.31	2.77	2.15	2.31	2.02	2.24	2.15	–	–	2.88	2.47	2.61	2.46
1987	2.38	2.66	3.04	2.23	1.85	2.21	2.48	–	–	2.81	2.39	2.21	2.01
1988	2.22	2.60	2.94	2.01	2.52	2.33	1.92			2.12	3.16	1.78	2.38

Table 14. Number and percentage of total catch (in parentheses) by number of anomalies (macroparasites, diseases, malformations, and injuries) associated with fishes collected at each sampling station on the Kankakee River and Horse Creek during August 1988.

Anomaly	1L	1R	2	3L	3R	4L	4R	5L	5R	6L	6R	Total
Neascus (Trematoda)	39 (8.5)	40 (9.2)	149 (19.5)	43 (12.0)	59 (17.5)	44 (14.3)	30 (5.2)	87 (6.5)	57 (9.9)	42 (7.0)	13 (4.4)	603 (10.0)
Leeches (Hirudinea)	3 (0.7)	3 (0.7)	5 (0.6)	4 (1.1)	–	2 (0.6)	–	2 (0.2)	3 (0.5)	4 (0.7)	1 (0.3)	27 (0.4)
Lernaea (Copepoda)	2 (0.4)	1 (0.2)	2 (0.3)	2 (0.5)	1 (0.3)	1 (0.3)	2 (0.3)	2 (0.2)	2 (0.4)	1 (0.2)	–	16 (0.3)
Fungus	1 (0.2)	–	1 (0.1)	–	–	–	1 (0.2)	1 (0.1)	1 (0.2)	–	–	5 (0.1)
Malformations	1 (0.2)	–	1 (0.1)	1 (0.3)	2 (0.6)	4 (1.3)	1 (0.2)	2 (0.2)	1 (0.2)	–	1 (0.3)	14 (0.2)
Ich (Ciliaphora)	3 (0.7)	–	–	3 (0.8)	–	–	–	1 (0.1)	–	2 (0.3)	–	9 (0.1)
Injury	5	2	3	5 (0.4)	4	10 (0.4)	2	3	4	10	3	51 (0.4)
Argulus (Copepoda)	–	–	1 (0.1)	–	1 (0.3)	4 (1.3)	1 (0.2)	–	–	2 (0.3)	–	9 (0.1)
Total	54 (11.7)	46 (10.6)	162 (21.2)	58 (16.2)	67 (19.9)	65 (21.2)	37 (6.4)	98 (7.3)	68 (11.8)	61 (10.2)	18 (6.0)	734 (12.1)

Table 15. One-way ANOVA of ln(x) abundance of fish captured per unit sampling effort by electrofishing, Kankakee River and Horse Creek, August 1988.

Source	df	ssq	msq	Fs	*P*
Station	10	5.85500	0.58550	1.83	0.102
Velocity	1	0.05252	0.05252	0.16	0.688
Water temperature	1	0.01076	0.01076	0.03	0.855
Depth	1	0.00192	0.00192	0.01	0.938
Oxygen	1	0.01645	0.01645	0.05	0.822
Turbidity	1	0.02304	0.02304	0.07	0.790
Conductivity	1	0.22854	0.22854	0.72	0.404
Error	27	8.61635	0.31912		
Total	43	16.87215			

Table 16. One-way ANOVA of ln(x) biomass of fish captured per unit sampling effort by electrofishing, Kankakee River and Horse Creek, August 1988.

Source	df	ssq	msq	Fs	*P*
Station	10	13.46454	1.34645	3.19	0.008*
Velocity	1	0.16608	0.16608	0.39	0.536
Water temperature	1	0.34215	0.34215	0.81	0.376
Depth	1	0.10714	0.10714	0.25	0.618
Oxygen	1	0.82553	0.82553	1.95	0.173
Turbidity	1	0.01524	0.01524	0.04	0.850
Conductivity	1	0.30385	0.30385	0.72	0.404
Error	27	11.41336	0.42272		
Total	43	29.56308			

* = statistically significant at 0.05

Table 17. Duncan's multiple range comparison of means of biomass of fish captured by electrofishing, Kankakee River and Horse Creek, August 1988. Means underscored by the same line are not significantly different at $P < 0.05$. N = 4.

Station	4L	3L	6L	3R	4R	1L	5L	5R	1R	6R	2
	_____										
		_____									
			_____								

Table 18. One-way ANOVA of n(x) biomass of fish captured per unit sampling effort by seining, Kankakee River and Horse Creek, August 1988.

Source	df	ssq	msq	Fs	*P*
Station	10	13.06217	1.30622	1.91	0.088
Velocity	1	0.20162	0.20162	0.29	0.519
Water temperature	1	0.40434	0.40434	0.59	0.448
Depth	1	1.60492	1.60492	2.34	0.137
Oxygen	1	0.13179	0.13179	0.19	0.664
Turbidity	1	0.00003	0.00003	0.00	0.994
Conductivity	1	0.16242	0.16242	0.24	0.630
Error	27	18.49232	0.68490		
Total	43	40.65277			

Table 19. One-way ANOVA of ln(x) abundance of fish captured per unit sampling effort by seining, Kankakee River and Horse Creek, August 1988.

Source	df	ssq	msq	Fs	*P*
Station	10	15.51323	1.55132	2.86	0.014*
Velocity	1	0.00066	0.00066	0.00	0.972
Water temperature	1	0.26705	0.26705	0.49	0.488
Depth	1	0.33937	0.33937	0.63	0.435
Oxygen	1	0.11484	0.11484	0.21	0.649
Turbidity	1	0.67080	0.67080	1.24	0.275
Conductivity	1	0.81891	0.81891	1.51	0.229
Error	27	14.63538	0.54205		
Total	43	36.29718			

* = statistically significant at 0.05

Table 20. Duncan's multiple range comparison of means of abundance of fish captured by seining, Kankakee River and Horse Creek, August 1988. Means underscored by the same line are not significantly different at $P < 0.05$. N = 4.

Station	5L	5R	4R	1R	6R	2	3L	4L	3R	1L	6L
	———			———							
		———					———				
			———						———		
					———					———	

Table 21. Total catch and total biomass (kg) in the Braidwood Station aquatic monitoring area during August, 1977-1988.

Year	Total catch	Total biomass
1977	12,993	338.1
1978	3,716	131.5
1979	4,430	173.3
1981	3,271	413.9
1982	1,072	221.9
1983	2,190	219.6
1984	2,926	215.0
1985	9,911	220.4
1986	3,567	206.6
1987	4,734	169.9
1988	6,058	217.2

Table 22. Percent of total catch of the five dominant species collected from the Kankakee River and Horse Creek during August, 1978-1988.

1978		1979		1981	
Gizzard shad	16.1	Spotfin shiner	23.5	Spotfin shiner	10.2
Bluntnose minnow	15.1	Bluntnose minnow	18.4	Golden redhorse	9.8
Longear sunfish	9.4	Sand shiner	11.1	Bluntnose minnow	7.7
Sand shiner	7.3	Smallmouth bass	5.6	Shorthead redhorse	6.8
Smallmouth bass	6.5	Rock bass	4.8	Rock bass	6.1
Total	69.7	Total	63.4	Total	40.6
1982		**1983**		**1984**	
Smallmouth bass	9.3	Striped shiner	18.0	Spotfin shiner	14.3
Golden redhorse	7.7	Spotfin shiner	11.6	Striped shiner	9.5
Striped shiner	7.7	Bluntnose minnow	9.8	Bullhead minnow	8.2
Green sunfish	7.0	Smallmouth bass	8.4	Green sunfish	7.9
Rosyface shiner	6.5	Sand shiner	7.5	Smallmouth bass	7.7
Total	38.2	Total	54.7	Total	47.6
1985		**1986**		**1987**	
Bluntnose minnow	23.8	Bluntnose minnow	20.8	Spotfin shiner	21.9
Spotfin shiner	13.5	Longear sunfish	13.1	Bluntnose minnow	13.2
Striped shiner	8.9	Golden redhorse	9.3	Longear sunfish	10.4
Smallmouth bass	6.6	Rock bass	7.5	Gizzard shad	6.0
Golden redhorse	6.5	Smallmouth bass	6.3	Bullhead minnow	5.8
Total	59.3	Total	57.0	Total	57.3
1988					
Smallmouth bass	21.4				
Gizzard shad	15.8				
Longear sunfish	7.8				
Rosyface shiner	6.8				
Bluntnose minnow	6.5				
Total	58.3				

Table 23. Percent biomass of total catch of the five dominant species collected from the Kankakee River and Horse Creek during August from 1977 through 1988.

1977		1978		1979	
Carp	33.7	Carp	22.6	Golden redhorse	14.9
Golden redhorse	16.6	Quillback	15.4	Smallmouth bass	14.9
Smallmouth bass	14.9	Smallmouth bass	12.9	Carp	14.1
Shorthead redhorse	9.2	Golden redhorse	9.7	Rock bass	9.6
Rock bass	4.7	Silver redhorse	9.1	Quillback	9.3
Total	79.1	Total	69.7	Total	62.8
1981		**1982**		**1983**	
Shorthead redhorse	21.0	Carp	26.9	Quillback	36.0
Golden redhorse	18.3	Silver redhorse	17.6	Carp	16.5
Carp	15.6	Golden redhorse	11.7	Golden redhorse	11.6
Smallmouth bass	7.9	Smallmouth bass	10.0	Smallmouth bass	8.1
Rock bass	5.2	Quillback	9.3	Silver redhorse	5.5
Total	68.0	Total	75.5	Total	77.7
1984		**1985**		**1986**	
Quillback	28.2	Smallmouth bass	25.9	Golden redhorse	26.6
Golden redhorse	18.8	Golden redhorse	16.7	Quillback	13.3
Silver redhorse	13.4	Quillback	13.5	Rock bass	9.9
Smallmouth bass	9.6	Carp	9.3	Smallmouth bass	9.2
Northern hog sucker	7.6	Rock bass	8.2	Gizzard shad	7.1
Total	77.6	Total	73.6	Total	66.1
1987		**1988**			
Golden redhorse	16.6	Golden redhorse	25.3		
Smallmouth bass	15.1	Smallmouth bass	13.5		
Gizzard shad	14.1	Gizzard shad	12.6		
Quillback	13.4	Carp	10.3		
Rock bass	9.4	Quillback	9.9		
Total	68.6	Total	71.6		

Table 24. Mean condition factor, K(TL), of fish species collected from the Kankakee River and Horse Creek during August 1988.

Species	N	K(TL)	SD	Range
Longnose gar	50	0.25	0.883	0.07-6.36
Gizzard shad	957	1.02	0.150	0.26-2.13
Grass pickerel	3	0.59	0.174	0.44-0.78
Carp	146	1.46	0.199	0.15-1.94
Golden shiner	2	1.07	0.056	1.03-1.10
Rudd	1	1.06	–	–
Hornyhead chub	18	1.12	0.064	0.99-1.20
Striped shiner	347	0.86	0.133	0.50-1.82
Rosyface shiner	410	0.61	0.086	0.34-1.42
Spotfin shiner	166	0.75	0.308	0.72-1.73
Sand shiner	256	0.74	0.175	0.11-1.09
Redfin shiner	98	0.76	0.088	0.47-0.98
Mimic shiner	34	0.80	0.088	0.62-1.01
Suckermouth minnow	7	1.12	0.566	0.77-2.39
Bluntnose minnow	395	0.87	0.157	0.19-1.66
Bullhead minnow	26	1.04	0.228	0.47-1.43
Smallmouth buffalo	6	1.25	0.212	1.00-1.62
Quillback	61	1.36	0.429	0.87-4.37
White sucker	1	1.03	–	–
Northern hog sucker	34	1.17	0.210	0.60-1.67
Silver redhorse	32	1.12	0.115	0.73-1.31
River redhorse	9	1.14	0.100	0.98-1.32
Black redhorse	5	1.02	0.064	0.96-1.12
Golden redhorse	172	1.16	0.423	0.33-6.32
Shorthead redhorse	102	1.03	0.120	0.44-1.46
Yellow bullhead	1	1.28	–	–
Channel catfish	1	0.92	–	–
Stonecat	2	0.84	0.259	0.66-1.02
Blackstripe topminnow	77	0.86	0.139	0.46-1.04
Brook silverside	112	0.45	0.062	0.31-0.58
Rock bass	298	1.98	0.246	0.38-2.60
Green sunfish	85	1.97	0.436	1.15-4.84
Orangespotted sunfish	72	1.70	0.462	0.17-3.18
Bluegill	6	2.10	0.453	1.31-2.50
Longear sunfish	472	1.94	0.463	0.12-3.08
Smallmouth bass	1297	1.22	0.187	0.12-2.55
Largemouth bass	22	1.29	0.277	0.63-1.90
Black crappie	2	1.22	0.071	1.17-1.27
Walleye	1	0.75	–	–
Yellow perch	3	1.05	0.235	0.83-1.30
Logperch	155	0.84	0.127	0.17-1.26
Blackside darter	24	0.85	0.130	0.66-1.19
Johnny darter	57	0.72	0.138	0.33-0.97
Slenderhead darter	23	0.81	0.142	0.48-1.13
Banded darter	8	0.80	0.137	0.55-0.96

Table 25. Mean condition factor, K(TL) , and 95% confidence limits for smallmouth bass, Kankakee River and Horse Creek, 1978-1988.

Year	N	Mean	95% C.I.
1978	242	1.30	0.97 - 1.63
1979	248	1.26	0.98 - 1.53
1981	190	1.19	0.83 - 1.54
1982	100	1.41	0.60 - 2.22
1983	184	1.38	0.81 - 1.95
1984	225	1.37	1.08 - 1.66
1985	658	1.24	0.87 - 1.61
1986	225	1.16	0.96 - 1.57
1987	221	1.33	
1988	1297	1.22	1.21 - 1.23

Table 26. Mean condition factor, K(TL), and 95% confidence limits for golden redhorse, Kankakee River and Horse Creek, 1978-1988.

Year	N	Mean	95% C.I.
1978	84	1.12	0.92 - 1.32
1979	177	1.13	0.84 - 1.42
1981	319	1.06	0.79 - 1.33
1982	83	1.57	
1983	67	1.16	0.96 - 1.36
1984	205	1.20	0.89 - 1.51
1985	640	0.99	0.68 - 1.30
1986	333	1.07	0.72 - 1.42
1987	195	1.07	0.80 - 1.34
1988	172	1.16	1.10 - 1.22

Table 27. Mean condition factor, K(TL), and 95% confidence limits for rock bass, Kankakee River and Horse Creek, 1978-1988.

Year	N	Mean	95% C.I.
1978	162	2.06	1.65 - 2.47
1979	212	2.16	1.67 - 2.65
1981	199	2.05	1.40 - 2.70
1982	43	2.12	1.35 - 2.87
1983	56	2.10	1.72 - 2.48
1984	67	2.18	1.20 - 3.16
1985	380	1.92	1.02 - 2.82
1986	269	1.89	1.36 - 2.42
1987	224	1.85	1.32 - 2.38
1988	298	1.98	1.95 - 2.01

Table 28. Mean condition factor, K(TL), and 95% confidence limits for largemouth bass, Kankakee River and Horse Creek, 1978-1988.

Year	N	Mean	95% C.I.
1978	97	1.30	0.74 - 1.86
1979	18	1.38	0.77 - 1.99
1981	61	1.28	0.60 - 1.96
1982	26	1.12	0.40 - 1.84
1983	35	1.33	0.94 - 1.72
1984	21	1.33	0.64 - 2.02
1985	67	1.28	0.28 - 2.28
1986	26	1.34	
1987	66	1.17	0.73 - 1.61
1988	22	1.29	1.17 - 1.41

Table 29. Mean condition factor, K(TL), and 95% confidence limits for spotfin shiner , Kankakee River and Horse Creek, 1978-1988.

Year	N	Mean	95% C.I.
1978	137	0.94	0.70 - 1.17
1979	917	0.83	0.63 - 1.03
1981	334	0.84	0.55 - 1.13
1982	41	0.87	0.68 - 1.07
1983	255	0.87	0.60 - 1.14
1984	417	0.85	0.61 - 1.09
1985	1,342	0.69	0.28 - 1.10
1986	166	0.79	0.52 - 1.06
1987	1,038	0.80	0.27 - 1.33
1988	166	0.75	0.70 - 0.80

Table 30. Condition factor, K(TL), of smallmouth bass from other Midwestern streams.

Location	N	TL range (mm)	Mean K(TL)	Range
Turkey River, Iowa[2]	104	100-440	1.27	1.08-1.44
Michigan[2]	—	53-483	1.30	1.16-1.41
Des Moines River, Iowa[2]	271	76-442	1.45	1.29-1.69
Northeastern Illinois[2]	77	114-445	1.50	1.22-1.94
Vermillion River, Illinois[3]	8	127-203	1.42	-
(Livingston County)	12	102-292	1.73	-
Fox River, Illinois[3]				
(McHenry County)	14	25-267	1.39	-
(Kendall County)	9	114-330	1.39	-
Mackinaw River, Illinois[3]				
(Tazewell County)	22	76-305	1.50	-
(Woodford County)	23	63-432	2.11	-

[1]Carlander (1969)
[2]Carlander (1977)
[3]Herricks and Himelick (1981)

Table 31. Condition factor, K(TL), of rock bass from other Midwestern streams.

Location	N	TL range (mm)	Mean K(TL)	Range
Northeastern Illinois[1]	50	127-254	2.40	1.86-2.49
Minnesota Assessment Standards[2]	–	–	< 1.80, poor condition 2.02-2.38, average condition > 2.49, excellent condition	
Mackinaw River, Illinois[2] (Tazewell County)	8	102-254	2.15	–

[1]Carlander (1977)
[2]Herricks and Himelick (1981)

Table 32. Condition factor, K(TL), of gizzard shad from other Midwestern streams.

Location	N	TL range (mm)	Mean K(TL)	Range
Ohio[1]	–	–	1.11	–
South Dakota Reservoirs[1]	838	127-381	1.02	0.94-1.18
Embarras River, Illinois[2] (Lawrence County)	25	–	0.40	–
Mackinaw River, Illinois[2]				
(Tazewell County)	270	140-318	0.90	–
(Woodford County)	100	140-330	0.81	–
Sangamon River, Illinois[2]				
(Piatt County)	23	89-203	1.10	–
(Macon County)	76	64-267	1.29	–
(Champaign County)	30	127-292	1.02	–
Little Wabash River, Illinois[2] (Gallatin County)	8	38-292	0.88	–

[1]Carlander (1977)
[2]Herricks and Himelick (1981)

Table 33. Condition factor, K(TL), of golden redhorse from other Midwestern streams.

Location	N	TL range (mm)	Mean K(TL)	Range
Ohio[1]	–	–	1.39	–
Des Moines River, Iowa[1]	–	–	1.02	–
	–	–	1.19	–
Embarras River, Illinois[2]				
(Douglas County)	55	152-381	1.40	–
(Lawrence County)	14	191-330	1.20	–
LaMoine River, Illinois[2] (Schuyler County)	4	114-292	1.59	–
Vermilion River, Illinois[2]				
(Livingston County)	26	102-318	1.23	–
	24	114-394	1.32	–
Fox River, Illinois[2] (Lake County)	6	254-343	1.46	–
Mackinaw River, Illinois[2]				
(McLean County)	22	89-330	1.38	–
(Tazewell County)	60	127-478	1.26	–
(Woodford County)	49	114-406	1.35	–
Sangamon River, Illinois[3]				
(Piatt County)	20	152-419	1.25	–
	22	127-394	1.46	–
(Macon County)	8	267-394	1.17	–
(Champaign County)	16	76-368	1.29	–
	62	102-381	1.28	–
	39	165-343	1.25	–
Spoon River, Illinois[3]				
(Knox County)	23	254-483	1.13	–
	28	279-406	1.11	–
(Stark County)	10	267-356	1.13	–

[1]Carlander (1969)
[2]Herricks and Himelick (1981)

Table 34. Condition factor, K(TL), of longear sunfish from other Midwestern streams.

Location	N	TL range (mm)	Mean K(TL)	Range
Little River, Oklahoma[1]	177	52-160	1.77-2.44	
Embarras River, Illinois[2]				
(Douglas County)	64	64-165	2.92	-
(Jasper County)	16	25-76	1.03	-
Mackinaw River, Illinois[2]				
(McLean County)	7	51-114	2.71	-
(Tazewell County)	10	89-127	2.15	-
(Woodford County)	54	64-165	2.70	-
Sangamon River, Illinois[2]				
(Piatt County)	11	64-152	2.22	-
	13	76-152	2.02	-
	11	38-140	2.35	-
(Champaign County)	11	38-140	1.96	-
	24	64-140	2.50	-
	23	76-140	2.31	-
Little Wabash River, Illinois[2]				
(Wayne County)	11	51-114	1.85	-
	11	64-114	2.33	-
(Clay County)	14	64-152	2.72	-

[1]Carlander (1977)
[2]Herricks and Himelick (1981)

Table 35. One-way ANOVA by year , without replication, of mean diversity (combined methods) of fish collected in the Kankakee River and Horse Creek during August, 1978-1988. N = 110.

Source	df	ssq	msq	Fs	*P*
Year	9	16.46	1.828	14.617	0.0001
Error	100	12.51	0.125		
Total	109	28.97			

Table 36. SNK for mean diversity, combined methods, by year, 1978-1988. Means in parentheses. N = 11.

	1988 (2.362)	1987 (2.388)	1986 (2.395)	1985 (2.652)	1983 (2.712)	1984 (2.716)	1982 (2.872)	1979 (3.183)	1978 (3.213)	1981 (3.590)
1988	–									
1987	ns	–								
1986	ns	ns	–							
1985	ns	ns	ns	–						
1983	ns	ns	ns	ns	–					
1984	ns	ns	ns	ns	ns	–				
1982	**	**	**	ns	ns	ns	–			
1979	**	**	**	**	**	**	ns	–		
1978	**	**	**	**	**	**	ns	ns	–	
1981	**	**	**	**	**	**	**	**	**	–

ns = not statistically significant; ** = statistically significant at 0.05

Table 37. One-way ANOVA by station, without replication, of mean diversity (combined methods) of fish collected in the Kankakee River and Horse Creek during August, 1978-1988. N = 110.

Source	df	ssq	msq	Fs	*P*
Station	10	4.57	0.457	1.854	0.061
Error	99	24.40	0.246		
Total	109	28.97			

Table 38. One-way ANOVA by year , without replication, of the square root of total abundance of fish collected in the Kankakee River and Horse Creek during August, 1978-1988. N = 110.

Source	df	ssq	msq	Fs	*P*
Year	9	2633.51	292.61	8.943	0.0001
Error	100	3271.98	32.72		
Total	109	5905.49			

Table 39. SNK for total abundance of fish collected in the Kankakee River and Horse Creek by year, 1978-1988. Means in parentheses. N = 11.

	1982 (9.595)	1983 (13.332)	1984 (15.688)	1981 (16.285)	1986 (17.418)	1978 (17.740)	1979 (17.985)	1987 (19.750)	1988 (22.837)	1985 (28.589)
1982	–									
1983	**	–								
1984	**	ns	–							
1981	**	ns	ns	–						
1986	**	ns	ns	ns	–					
1978	**	ns	ns	ns	ns	–				
1979	**	ns	ns	ns	ns	ns	–			
1987	**	**	ns	ns	ns	ns	ns	–		
1988	**	**	**	**	**	**	**	**	–	
1985	**	**	**	**	**	**	**	**	**	–

ns = not statistically significant; ** = statistically significant at 0.05.

Table 40. One-way ANOVA by station, without replication, of the square root of total abundance of fish collected in the Kankakee River and Horse Creek during August, 1978-1988. N = 110.

Source	df	ssq	msq	Fs	*P*
Station	10	1940.03	194.00	4.84	0.0001
Error	99	3965.46	40.06		
Total	109	5905.49			

Table 41. SNK for total abundance of fish collected in the Kankakee River and Horse Creek by station, 1978-1988. Means in parentheses. N = 10.

	4R (14.035)	3L (14.088)	3R (14.204)	6R (14.269)	4L (14.639)	1R (16.214)	1L (18.701)	6L (19.124)	5R (21.967)	5L (24.412)	2 (25.846)
4R	–										
3L	ns	–									
3R	ns	ns	–								
6R	ns	ns	ns	–							
4L	ns	ns	ns	ns	–						
1R	ns	ns	ns	ns	ns	–					
1L	ns	ns	ns	ns	ns	ns	–				
6L	ns	ns	ns	ns	ns	ns	ns	–			
5R	**	**	**	**	**	**	ns	ns	–		
5L	**	**	**	**	**	**	ns	ns	ns	–	
2	**	**	**	**	**	**	**	**	ns	ns	–

ns = not statistically significant; ** = statistically significant at 0.05

Table 42. One-way ANOVA by year, without replication, of ln(x) total biomass of fish collected in the Kankakee River and Horse Creek during August, 1978-1988. N = 110.

Source	df	ssq	msq	Fs	*P*
Year	9	8.31	0.923	2.954	0.004
Error	100	31.26	0.313		
Total	109	39.57			

Table 43. SNK for total biomass of fish collected in the Kankakee River and Horse Creek by year, 1978-1988. Means in parentheses. N = 11.

	1978 (9.283)	1987 (9.465)	1979 (9.472)	1983 (9.474)	1984 (9.750)	1986 (9.754)	1985 (9.762)	1982 (9.777)	1988 (9.809)	1981 (10.369)
1978	–									
1987	ns	–								
1979	ns	ns	–							
1983	**	ns	ns	–						
1984	**	ns	ns	ns	–					
1986	**	ns	ns	ns	ns	–				
1985	**	ns	ns	ns	ns	ns	–			
1982	**	ns	ns	ns	ns	ns	ns	–		
1988	**	ns	ns	ns	ns	ns	ns	ns	–	
1981	**	**	**	**	**	**	**	**	**	–

ns = not statistically significant; ** = statistically significant at 0.05.

Table 44. One-way ANOVA by station, without replication, of ln(x) total biomass of fish collected in the Kankakee River and Horse Creek during August, 1978-1988. N = 110.

Source	df	ssq	msq	Fs	*P*
Station	10	19.72	1.972	2.954	0.0001
Error	99	19.85			
Total	09	39.57			

Table 45. SNK for total biomass of fish collected in the Kankakee River and Horse Creek by station, 1978-1988. Means in parentheses. N = 10.

	4R (9.061)	6R (9.346)	3R (9.365)	4L (9.463)	3L (9.472)	5R (9.626)	1R (9.760)	5L (9.941)	2 (10.022)	1L (10.030)	6L (10.447)
4R	–										
6R	ns	–									
3R	ns	ns	–								
4L	ns	ns	ns	–							
3L	ns	ns	ns	ns	–						
5R	**	ns	ns	ns	ns	–					
1R	**	**	**	**	**	ns	–				
5L	**	**	**	**	**	ns	ns	–			
2	**	**	**	**	**	**	**	ns	–		
1L	**	**	**	**	**	**	**	ns	ns	–	
6L	**	**	**	**	**	**	**	**	ns	ns	–

ns = not statistically significant; ** = statistically significant at 0.05

Table 46. Total catch of smallmouth bass from designated stations on the Kankakee River in the Braidwood Station aquatic monitoring area, 1978-1988.

1978	1979	1981	1982	1983	1984	1985	1986	1987	1988
242	249	176	100	185	225	658	225	221	1297

Table 47. One-way ANOVA by year, without replication, of the square root of total abundance of smallmouth bass collected in the Kankakee River and Horse Creek during August 1978-1988. N = 110.

Source	df	ssq	msq	Fs	*P*
Year	9	551.36	61.26	18.91	0.0001
Error	100	323.93	3.24		
Total	109	875.29			

Table 48. SNK for mean abundance of smallmouth bass collected in the Kankakee River and Horse Creek by year, 1978-1988. Means in parentheses. N = 11.

	1982 (2.719)	1981 (3.564)	1983 (3.763)	1987 (4.208)	1978 (4.216)	1984 (4.285)	1979 (4.300)	1986 (4.311)	1985 (7.454)	1988 (10.771)
1982	–									
1981	**	–								
1983	**	ns	–							
1987	**	ns	ns	–						
1978	**	ns	ns	ns	–					
1984	**	ns	ns	ns	ns	–				
1979	**	ns	ns	ns	ns	ns	–			
1986	**	ns	ns	ns	ns	ns	ns	–		
1985	**	**	**	**	**	**	**	**	–	
1988	**	**	**	**	**	**	**	**	**	–

ns = not statistically significant; ** = statistically significant at 0.05.

Table 49. One-way ANOVA by station, without replication, of the square root of total abundance of smallmouth bass collected in the Kankakee River and Horse Creek during August 1978-1988. N = 110.

Source	df	ssq	msq	Fs	*P*
Station	10	227.89	22.79	3.49	0.001
Error	99	647.40	6.54		
Total	109	875.29			

Table 50. SNK for mean abundance of smallmouth bass collected in the Kankakee River and Horse Creek by station, 1978-1988. Means in parentheses. N = 10.

	5R (3.551)	3R (3.571)	6R (3.683)	1R (3.797)	4R (3.959)	4L (4.389)	5L (5.044)	3L (5.077)	2 (6.694)	6L (7.226)	1L (7.454)
5R	–										
3R	ns	–									
6R	ns	ns	–								
1R	ns	ns	ns	–							
4R	ns	ns	ns	ns	–						
4L	ns	ns	ns	ns	ns	–					
5L	ns	ns	ns	ns	ns	ns	–				
3L	ns	ns	ns	ns	ns	ns	ns	–			
2	**	**	**	**	**	**	**	**	–		
6L	**	**	**	**	**	**	**	**	ns	–	
1L	**	**	**	**	**	**	**	**	ns	ns	–

ns = not statistically significant; ** = statistically significant at 0.05

Appendix A-1. Ancillary measurements taken concurrently with electrofishing samples from the Kankakee River and Horse Creek, 2 August 1988. Air temperature is measured in °C; water velocity in cm/sec; turbidity in N.T.U.; conductivity in µmhos/cm; depth in m; and dissolved oxygen in ppm. Discharge was 329 cfs.

Parameter	1L	1R	2	3L	3R	4L	4R	5L	5R	6L	6R
Time	0750	0735	1600	1010	0945	1104	1052	1241	1225	1419	1405
Air temperature	27.0	27.0	36.0	29.0	29.0	31.0	30.0	34.0	34.0	36.0	36.0
Water velocity	1	3	0	0	1	0	1	0	1	0	0
pH	8.2	7.4	7.6	7.6	7.6	7.6	7.7	7.6	7.4	7.9	8.5
Turbidity	2.4	3.0	4.2	3.7	4.2	3.6	2.5	5.2	2.4	5.4	3.9
Conductivity	600	600	690	600	620	600	650	650	625	680	680

Depth	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.
0	29.0	3.4	29.0	3.6	31.2	6.7	29.0	8.5	29.0	5.0	29.0	5.2	30.0	4.9	31.0	6.4	31.0	8.0	31.0	5.6	31.0	7.5
0.5	28.5	2.8	29.5	3.6	29.9	7.3	29.0	8.3	29.0	4.8	29.0	5.0	29.0	4.8	31.0	6.5	30.5	5.2	31.0	5.6	30.5	4.8
1.0	28.0	2.4	29.5	3.5	28.5	8.0	29.0	8.2	29.0	4.8	29.0	5.0	28.9	6.0			30.0	4.4			30.0	3.8
1.5			29.5	3.2																		

Appendix A-2. Ancillary measurements taken concurrently with electrofishing samples from the Kankakee River and Horse Creek, 5 August 1988. Air temperature is measured in °C; water velocity in cm/sec; turbidity in N.T.U.; conductivity in µmhos/cm; depth in m; and dissolved oxygen in ppm. Discharge was 335 cfs.

Parameter	1L	1R	2	3L	3R	4L	4R	5L	5R	6L	6R
Time	0725	0700	1415	0855	0823	1028	1017	1103	1050	1252	1235
Air temperature	26.0	26.0	32.0	28.5	27.5	29.0	29.0	31.0	30.5	32.0	32.0
Water velocity	1	3	0	4	0	0	2	0	0	0	0
pH	7.3	7.3	7.9	7.4	7.2	8.0	7.6	7.5	7.5	7.6	7.1
Turbidity	3.9	7.3	2.6	2.7	5.7	2.6	3.3	7.8	4.7	3.8	4.8
Conductivity	600	600	710	590	600	600	600	600	620	750	650

Depth	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.
0	28.5	4.5	28.0	5.3	28.0	7.8	28.0	3.7	28.0	3.8	29.0	4.6	29.0	4.6	29.0	6.0	29.0	7.8	29.0	7.0	28.0	5.1
0.5	28.5	4.4	28.5	5.2	27.5	7.4	28.0	3.7	28.0	3.8	28.0	3.8	29.0	4.4	29.0	6.2	29.0	5.6	29.0	6.5	28.0	4.5
1.0	28.5	4.4	28.5	5.1	27.5	7.4	28.0	3.6	28.0	3.9	28.0	3.6	29.0	4.0							28.5	3.6
1.5	28.5	4.4	28.5	5.0			28.0	3.6	28.0	3.8												

Appendix A-3. Ancillary measurements taken concurrently with electrofishing samples from the Kankakee River and Horse Creek, 8 August 1988. Air temperature is measured in °C; water velocity in cm/sec; turbidity in N.T.U.; conductivity in µmhos/cm; depth in m; and dissolved oxygen in ppm. Discharge was 288 cfs.

Parameter	1L	1R	2	3L	3R	4L	4R*	5L	5R	6L	6R
Time	0725	0706	1403	0914	0907	0955	0940	1022	1012	1220	1209
Air temperature	25.0	24.0	36.0	28.0	27.5	29.5	29.0	31.0	31.0	34.0	34.0
Water velocity	0	4	1	5	0	2	2	0	0	1	3
pH	6.8	6.9	8.1	7.6	7.4	7.1	7.7	7.6	7.6	7.0	6.9
Turbidity	3.6	4.3	6.6	6.0	4.7	4.0	2.8	4.8	4.4	4.6	5.0
Conductivity	630	650	680	690	710	700	980	750	690	790	710

Depth	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.
0	27.5	5.8	27.5	5.8	29.0	8.2	27.0	5.8	27.5	6.5	28.0	5.9	28.0	6.7	28.0	6.4	28.5	6.6	30.0	6.6	30.0	6.6
0.5	27.5	5.5	27.5	5.6	27.5	7.8	27.0	5.6	27.0	6.3	27.5	5.9	28.0	6.6	28.0	6.3	28.0	5.8	27.0	6.2	28.0	6.0
1.0			28.0	5.6					27.0	6.2	27.5	5.7	28.0	6.7	27.0	5.7	28.0	5.7	27.0	5.3	28.0	5.8
1.5			27.5	5.6																	27.0	5.0

*Measurements taken during cooling lake blowdown

Appendix A-4. Ancillary measurements taken concurrently with electrofishing samples from the Kankakee River and Horse Creek, 11 August 1988. Air temperature is measured in °C; water velocity in cm/sec; turbidity in N.T.U.; conductivity in µmhos/cm; depth in m; and dissolved oxygen in ppm. Discharge was 433 cfs.

Parameter	1L	1R	2	3L	3R	4L	4R	5L	5R	6L	6R
Time	0708	0651	1300	0815	0805	0837	0831	1010	1003	1200	1145
Air temperature	24.0	24.0	29.0	22.0	24.0	24.0	24.0	28.0	28.0	28.0	28.0
Water velocity	0	1	0	0	0	0	0	0	0	1	1
pH	7.0	7.1	7.2	7.4	7.4	7.5	7.4	7.4	7.5	7.3	7.2
Turbidity	4.8	10.2	4.7	4.7	5.6	5.2	6.4	8.3	6.1	5.1	6.3
Conductivity	820	740	510	600	600	600	600	590	590	410	400

Depth	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.
0	26.5	5.4	26.5	5.8	28.0	7.0	26.5	5.3	26.5	5.4	26.0	7.0	26.5	5.3	27.5	6.0	27.0	5.5	28.5	5.2	29.0	5.7
0.5	26.5	5.4	26.5	5.6	26.0	6.4	26.5	5.0	26.5	5.2	26.5	5.6	26.5	5.2	27.0	5.7	27.0	5.3	28.0	5.3	28.0	5.3
1.0			26.5	5.5	25.0	3.0			26.5	5.1			26.5	5.2	27.0	5.2	27.0	5.5	27.5	4.7	27.0	4.9
1.5			26.5	5.2													27.0	5.3			27.0	4.9

Appendix B-1. Ancillary measurements taken concurrently with seine samples from the Kankakee River and Horse Creek, 1 August 1988. Air temperature is measured in °C; water velocity in cm/sec; turbidity in N.T.U.; conductivity in µmhos/cm; depth in m; and dissolved oxygen in ppm. Discharge was 328 cfs.

Parameter	1L	1R	2	3L	3R	4L	4R*	5L	5R	6L	6R
Time	1140	1105	1605	1250	1215	1335	1310	1434	1400	1521	1458
Air temperature	31.0	31.0	34.0	36.0	35.0	36.0	35.0	36.0	36.0	36.0	36.0
Water velocity	0	0	1	0	0	0	0	0	0	0	0
pH	7.6	6.8	8.4	7.9	7.8	7.9	7.6	8.1	7.9	8.3	7.9
Turbidity	3.6	4.7	5.6	2.4	4.7	4.7	4.4	5.9	5.6	2.7	2.8
Conductivity	600	600	650	610	610	610	910	690	630	700	700

Depth	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.
0	29.0	5.0	29.5	3.8	31.0	9.6	30.5	8.1	31.0	10.6	31.0	10.6	27.0	10.2	33.0	9.8	31.0	5.8	33.0	8.5	31.0	6.4
0.5	29.5	4.0	29.0	3.8	30.0	10.2	29.8	8.5	30.5	5.1	30.0	10.0	27.0	10.0	32.9	8.5	31.0	3.8	33.0	8.5	30.0	5.6

*Measurements taken during cooling lake blowdown.

Appendix B-2. Ancillary measurements taken concurrently with seine samples from the Kankakee River and Horse Creek, 9 August 1988. Air temperature is measured in °C; water velocity in cm/sec; turbidity in N.T.U.; conductivity in µmhos/cm; depth in m; and dissolved oxygen in ppm. Discharge was 362 cfs.

Parameter	1L	1R	2	3L	3R	4L	4R	5L	5R	6L	6R
Time	0947	0920	1411	1047	1023	1139	1111	1236	1201	1322	1306
Air temperature	25.0	25.0	26.0	25.0	25.0	25.0	25.0	27.0	26.0	26.0	26.0
Water velocity	1	0	0	0	0	0	0	0	0	0	0
pH	6.5	7.2	7.9	7.4	7.3	6.5	6.2	6.8	6.9	8.1	7.7
Turbidity	9.4	6.5	3.2	5.4	12.1	5.4	9.7	27.0	7.4	30.0	25.0
Conductivity	710	710	700	650	650	700	690	810	650	790	710

Depth	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.
0	28.0	6.2	28.0	5.2	26.0	5.8	27.5	5.9	28.0	5.6	28.0	6.1	28.0	5.6	28.0	5.4	28.5	6.6	28.0	12.3	27.0	5.2
0.5	28.0	6.4	28.0	5.4																	27.0	5.0

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
1L	A	08 02 88	LONGNOSE GAR	1	326	48.00	0.14
				2	229	8.00	0.07
				3	270	16.00	0.08
			CARP	1	195	117.00	1.58
				2	171	90.00	1.80
			STRIPED SHINER	1	53	1.30	0.87
				2	57	1.61	0.87
				3	54	1.26	0.80
				4	63	2.33	0.93
				5	59	1.88	0.92
				6	52	1.31	0.93
				7	64	2.46	0.94
				8	51	1.22	0.92
				9	52	1.19	0.85
				10	52	1.30	0.92
				11	43	0.66	0.83
				12	74	4.67	1.15
				13	74	3.58	0.88
				14	67	2.95	0.98
				15	57	1.69	0.91
			ROSYFACE SHINER	1	49	0.71	0.60
			SAND SHINER	1	62	2.09	0.88
			MIMIC SHINER	1	67	2.57	0.85
				2	63	2.11	0.84
				3	47	0.84	0.81
				4	48	0.93	0.84
				5	46	0.81	0.83
			BLUNTNOSE MINNOW	1	68	3.41	1.08
				2	64	2.51	0.96
				3	60	1.89	0.87
				4	66	3.06	1.06
				5	54	1.40	0.89
				6	56	1.51	0.86
				7	62	2.26	0.95
				8	53	1.32	0.89
			NORTHERN HOGSUCKER	1	370	726.40	1.43
			SILVER REDHORSE	1	211	92.00	0.98
				2	177	69.21	1.25
				3	66	3.32	1.15
			GOLDEN REDHORSE	1	170	54.00	1.10
				2	243	155.00	1.08
				3	150	36.00	1.07
				4	166	59.00	1.29
				5	74	4.49	1.11
				6	70	3.98	1.16
				7	71	3.72	1.04
			SHORTHEAD REDHORSE	1	330	420.00	1.17
				2	82	5.72	1.04
				3	76	5.07	1.15
				4	72	3.66	0.98
				5	69	3.36	1.02
				6	66	2.96	1.03
				7	52	1.26	0.90
			ROCK BASS	1	190	141.00	2.06
				2	178	118.00	2.09
				3	192	138.00	1.95
				4	183	122.00	1.99
				5	170	80.00	1.63
				6	172	96.00	1.89
				7	196	170.00	2.26
				8	170	98.00	1.99
				9	154	75.00	2.05
				10	165	92.00	2.05
				11	186	137.00	2.13
				12	175	125.00	2.33
				13	160	80.00	1.95
				14	140	60.00	2.19
				15	133	50.00	2.13
			BLUEGILL	1	98	18.00	1.91
			LONGEAR SUNFISH	1	76	11.00	2.51
				2	80	10.82	2.11
				3	76	9.74	2.22
				4	67	6.87	2.28
				5	24	0.17	1.23
			SMALLMOUTH BASS	1	124	27.00	1.42
				2	108	22.00	1.75
				3	117	15.00	0.94
				4	120	15.00	0.87
				5	116	29.00	1.86
				6	120	26.00	1.50
				7	175	53.00	0.99
				8	269	265.00	1.36
				9	263	240.00	1.32
				10	61	2.71	1.19
				11	123	22.95	1.23
				12	93	11.54	1.43
				13	105	16.16	1.40
				14	106	12.90	1.08
				15	95	13.40	1.56
				16	95	10.03	1.17
				17	92	8.70	1.12
				18	90	9.29	1.27
				19	85	7.19	1.17
				20	95	9.97	1.16
				21	86	8.63	1.36
				22	96	11.03	1.25
				23	87	7.48	1.14

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
				24	76	6.21	1.41
				25	80	6.29	1.23
				26	70	4.70	1.37
				27	72	4.40	1.18
				28	75	5.34	1.27
				29	66	3.55	1.23
				30	80	6.25	1.22
				31	76	4.86	1.11
				32	63	3.24	1.30
				33	56	2.07	1.18
				34	58	2.30	1.18
				35	63	2.95	1.18
			BANDED DARTER	1	44	0.65	0.76
			LOGPERCH	1	75	3.72	0.88
				2	65	2.55	0.93
				3	57	1.26	0.68
			SLENDERHEAD DARTER	1	90	6.03	0.83
	B	08 05 88	CARP	1	179	83.00	1.45
			STRIPED SHINER	1	67	3.05	1.01
				2	47	0.91	0.88
			MIMIC SHINER	1	65	2.34	0.85
				2	55	1.38	0.83
				3	49	1.07	0.91
			BLUNTNOSE MINNOW	1	65	3.00	1.09
				2	56	1.64	0.93
				3	51	1.20	0.90
				4	42	0.58	0.78
			SILVER REDHORSE	1	178	63.00	1.12
			RIVER REDHORSE	1	325	454.00	1.32
			GOLDEN REDHORSE	1	358	681.00	1.48
				2	302	340.50	1.24
				3	250	166.00	1.06
				4	150	34.00	1.01
			SHORTHEAD REDHORSE	1	70	5.00	1.46
			ROCK BASS	1	200	164.00	2.05
				2	130	40.00	1.82
			LONGEAR SUNFISH	1	110	28.00	2.10
			SMALLMOUTH BASS	1	90	7.00	0.96
				2	121	20.00	1.13
				3	107	9.00	0.73
				4	65	3.00	1.09
				5	80	5.63	1.10
			BANDED DARTER	1	51	1.27	0.96
				2	49	1.01	0.86
				3	40	0.49	0.77
			LOGPERCH	1	69	2.84	0.86
			BLACKSIDE DARTER	1	52	1.19	0.85
1L	C	08 08 88	LONGNOSE GAR	1	323	44.00	0.13
			GIZZARD SHAD	1	125	17.00	0.87
				2	101	8.00	0.78
				3	104	5.00	0.44
				4	98	9.00	0.96
				5	138	23.00	0.88
				6	136	23.00	0.91
				7	109	13.00	1.00
				8	86	4.00	0.63
				9	137	20.00	0.78
				10	121	14.00	0.79
				11	112	10.00	0.71
				12	137	24.00	0.93
				13	104	10.00	0.89
				14	80	5.23	1.02
				15	73	3.57	0.92
			CARP	1	403	998.80	1.53
			STRIPED SHINER	1	61	2.15	0.95
				2	63	2.40	0.96
				3	63	2.49	1.00
				4	58	1.93	0.99
				5	60	2.04	0.94
				6	58	1.82	0.93
				7	55	1.52	0.91
				8	57	1.66	0.90
			ROSYFACE SHINER	1	54	1.11	0.70
			SPOTFIN SHINER	1	77	4.72	1.03
				2	67	3.14	1.04
				3	64	2.53	0.97
				4	70	3.28	0.96
				5	65	2.64	0.96
				6	51	1.17	0.88
			MIMIC SHINER	1	50	1.10	0.88
				2	49	0.90	0.76
			BLUNTNOSE MINNOW	1	65	2.95	1.07
				2	70	3.41	0.99
				3	69	3.41	1.04
				4	65	2.63	0.96
				5	58	1.83	0.94
				6	57	1.62	0.87
				7	55	1.53	0.92
				8	56	1.47	0.84
				9	54	1.50	0.95
			NORTHERN HOGSUCKER	1	77	6.00	1.31

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
				2	83	8.00	1.40
			GOLDEN REDHORSE	1	400	681.00	1.06
				2	224	127.00	1.13
				3	222	114.00	1.04
				4	435	998.80	1.21
				5	320	365.00	1.11
				6	268	210.00	1.09
				7	336	454.00	1.20
				8	245	144.00	0.98
				9	80	6.00	1.17
				10	80	5.00	0.98
			SHORTHEAD REDHORSE	1	183	67.00	1.09
				2	172	42.00	0.83
				3	195	72.00	0.97
				4	80	4.00	0.78
				5	83	5.00	0.87
				5	80	5.53	1.08
				6	77	5.00	1.10
				7	66	2.92	1.02
				8	68	3.31	1.05
			BROOK SILVERSIDE	1	73	2.00	0.51
				2	64	1.23	0.47
				3	60	1.04	0.48
			ROCK BASS	1	162	75.00	1.76
				2	132	35.00	1.52
				3	45	1.84	2.02
			LONGEAR SUNFISH	1	123	42.00	2.26
				2	98	22.00	2.34
				3	97	19.00	2.08
				4	75	7.00	1.66
				5	75	9.00	2.13
			SMALLMOUTH BASS	1	284	330.00	1.44
				2	117	14.00	0.87
				3	107	12.00	0.98
				4	167	57.00	1.22
				5	100	9.00	0.90
				6	111	13.00	0.95
				7	122	18.00	0.99
				8	115	15.00	0.99
				9	102	11.00	1.04
				10	90	8.00	1.10
				11	100	13.00	1.30
				12	95	6.00	0.70
				13	94	9.29	1.12
				14	90	8.41	1.15
				15	81	5.90	1.11
				16	80	6.22	1.21
				17	81	7.23	1.36
				18	75	5.31	1.26
				19	71	3.96	1.11
				20	72	4.63	1.24
				21	69	3.97	1.21
				22	69	4.08	1.24
				23	63	3.13	1.25
				24	70	4.28	1.25
				25	68	4.03	1.28
				26	64	3.00	1.14
			LOGPERCH	1	107	10.00	0.82
				2	66	2.50	0.87
			SLENDERHEAD DARTER	1	80	5.00	0.98
D	08	11 88	GIZZARD SHAD	1	125	20.00	1.02
				2	100	11.00	1.10
				3	117	17.00	1.06
				4	120	19.00	1.10
				5	111	13.00	0.95
				6	133	21.00	0.89
				7	110	14.00	1.05
				8	103	13.00	1.19
				9	75	9.00	2.13
				10	120	19.00	1.10
				11	111	15.00	1.10
				12	104	14.00	1.24
				13	98	11.00	1.17
				14	100	10.00	1.00
				15	107	12.00	0.98
				16	293	305.00	1.21
				17	110	14.00	1.05
				18	115	17.00	1.12
				19	106	13.00	1.09
				20	116	17.00	1.09
				21	91	8.00	1.06
				22	110	13.00	0.98
				23	90	8.00	1.10
				24	95	9.00	1.05
				25	110	14.00	1.05
				26	110	13.00	0.98
				27	99	12.00	1.24
				28	117	16.00	1.00
				29	108	14.00	1.11
				30	118	17.00	1.03
				31	92	11.00	1.41
				32	109	12.00	0.93
				33	108	12.00	0.95
				34	113	14.00	0.97
				35	106	12.00	1.01
				36	95	9.00	1.05
				37	115	14.00	0.92
				38	72	5.00	1.34
				39	100	9.00	0.90
				40	99	9.00	0.93

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
1L	D	08 11 88	GIZZARD SHAD	41	118	17.00	1.03
				42	102	11.00	1.04
				43	105	13.00	1.12
				44	118	16.00	0.97
				45	115	17.00	1.12
				46	112	15.00	1.07
				47	107	11.00	0.90
				48	90	7.00	0.96
				49	135	27.22	1.11
				50	137	24.22	0.94
				51	143	30.27	1.04
				52	121	20.09	1.13
				53	118	15.86	0.97
				54	112	14.88	1.06
				55	115	15.00	0.99
				56	127	18.60	0.91
				57	136	24.26	0.96
				58	101	10.84	1.05
				59	116	16.06	1.03
				60	112	13.46	0.96
				61	111	13.82	1.01
				62	110	12.58	0.95
				63	112	14.33	1.02
				64	105	11.47	0.99
				65	106	12.33	1.04
				66	108	12.53	0.99
				67	113	16.63	1.15
				68	105	11.20	0.97
				69	109	12.30	0.95
				70	109	12.34	0.95
				71	111	13.45	0.98
				72	95	9.00	1.05
				73	105	10.96	0.95
				74	89	6.07	0.86
				75	86	5.81	0.91
			CARP	1	185	98.00	1.55
1L	D	08 11 88	STRIPED SHINER	1	65	2.64	0.96
				2	61	2.04	0.90
				3	60	2.00	0.93
				4	58	1.79	0.92
				5	56	1.53	0.87
				6	54	1.38	0.88
				7	52	1.19	0.85
				8	45	0.77	0.84
			ROSYFACE SHINER	1	52	0.88	0.63
			SPOTFIN SHINER	1	75	4.15	0.98
				2	61	2.17	0.96
				3	66	2.61	0.91
				4	67	2.85	0.95
				5	62	2.25	0.94
			BLUNTNOSE MINNOW	1	69	3.44	1.05
				2	61	2.26	1.00
				3	59	1.92	0.93
				4	53	1.34	0.90
				5	50	1.10	0.88
				6	52	1.16	0.82
			QUILLBACK	1	393	908.00	1.50
			SILVER REDHORSE	1	77	5.36	1.17
			RIVER REDHORSE	1	372	624.25	1.21
			GOLDEN REDHORSE	1	377	681.00	1.27
				2	293	442.00	1.76
			SHORTHEAD REDHORSE	1	346	510.00	1.23
				2	85	5.00	0.81
				3	79	4.30	0.87
				4	80	5.21	1.02
				5	84	5.97	1.01
				6	75	4.75	1.13
				7	77	4.39	0.96
				8	72	3.95	1.06
				9	63	2.64	1.06
				10	57	1.75	0.94
			ROCK BASS	1	196	180.00	2.39
				2	165	110.00	2.45
				3	215	215.00	2.16
			BLUEGILL	1	105	29.00	2.51
			LONGEAR SUNFISH	1	68	7.00	2.23
				2	110	30.00	2.25
				3	128	51.00	2.43
				4	67	6.18	2.05
			SMALLMOUTH BASS	1	268	268.00	1.39
				2	329	492.00	1.38
				3	260	250.00	1.42
				4	268	280.00	1.45
				5	320	452.00	1.38
				6	75	6.00	1.42
				7	172	63.00	1.24
				8	66	4.00	1.39
				9	80	7.00	1.37
				10	65	7.00	2.55
				11	304	394.00	1.40
				12	119	18.00	1.07
				13	258	248.00	1.44
				14	110	16.00	1.20
				15	86	8.00	1.26
				16	96	10.00	1.13
				17	82	7.96	1.44
				18	80	5.94	1.16

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
				19	72	4.35	1.17
				20	73	4.35	1.12
				21	81	6.88	1.29
				22	76	5.19	1.18
				23	73	4.51	1.16
				24	66	3.75	1.30
				25	67	3.76	1.25
				26	63	2.95	1.18
				27	65	3.39	1.23
				28	65	3.35	1.22
			LOGPERCH	1	73	3.28	0.84
				2	74	3.40	0.84
				3	66	2.57	0.89
			SLENDERHEAD DARTER	1	51	1.12	0.84
1R	A	08 02 88	LONGNOSE GAR	1	328	38.00	0.11
			GIZZARD SHAD	1	285	266.00	1.15
			ROSYFACE SHINER	1	50	0.99	0.79
			SPOTFIN SHINER	1	75	4.25	1.01
			BLUNTNOSE MINNOW	1	86	6.87	1.08
				2	65	2.65	0.96
				3	61	2.46	1.08
				4	59	2.10	1.02
			GOLDEN REDHORSE	1	250	171.00	1.09
			SHORTHEAD REDHORSE	1	176	55.00	1.01
			ROCK BASS	1	180	112.00	1.92
				2	142	52.00	1.82
				3	177	112.00	2.02
			LONGEAR SUNFISH	1	114	34.00	2.29
				2	89	11.00	1.56
				3	77	9.00	1.97
			SMALLMOUTH BASS	1	195	90.00	1.21
				2	121	21.00	1.19
				3	104	12.00	1.07
				4	177	66.00	1.19
				5	92	4.00	0.51
				6	89	4.00	0.57
				7	90	8.00	1.10
				8	97	11.00	1.21
				9	77	5.86	1.28
				10	82	6.40	1.16
				11	84	6.97	1.18
			LOGPERCH	1	75	3.60	0.85
				2	77	3.95	0.87
				3	74	3.43	0.85
				4	70	2.80	0.82
				5	68	2.56	0.81
				6	71	2.89	0.81
				7	66	2.54	0.88
				8	65	2.57	0.94
			SLENDERHEAD DARTER	1	56	1.18	0.67
				2	56	1.18	0.67
	B	08 05 88	LONGNOSE GAR	1	257	20.00	0.12
			GIZZARD SHAD	1	98	13.00	1.38
				2	132	23.00	1.00
				3	100	12.00	1.20
				4	292	334.00	1.34
				5	89	9.00	1.28
				6	77	7.00	1.53
				7	85	8.00	1.30
				8	90	6.00	0.82
				9	103	13.00	1.19
				10	87	9.00	1.37
				11	85	8.00	1.30
				12	107	13.00	1.06
				13	86	8.00	1.26
				14	98	10.00	1.06
				15	114	14.91	1.01
			SPOTFIN SHINER	1	80	6.00	1.17
			QUILLBACK	1	395	908.00	1.47
			GOLDEN REDHORSE	1	382	862.60	1.55
				2	255	183.00	1.10
				3	305	328.00	1.16
				4	302	318.00	1.15
				5	167	47.00	1.01
			ROCK BASS	1	178	123.00	2.18
			SMALLMOUTH BASS	1	257	214.00	1.26
				2	250	204.00	1.31
				3	95	10.00	1.17
				4	90	8.00	1.10
				5	96	6.00	0.68
				6	65	4.00	1.46
				7	112	17.00	1.21
				8	106	20.00	1.68
1R	B	08 05 88	LOGPERCH	1	66	2.40	0.83
	C	08 08 88	GIZZARD SHAD	1	142	29.00	1.01
				2	106	16.00	1.34
				3	125	20.00	1.02
				4	117	19.00	1.19
				5	109	13.00	1.00
				6	113	14.00	0.97
				7	114	13.00	0.88
				8	103	11.00	1.01
				9	104	13.00	1.16
				10	97	9.00	0.99
				11	121	16.00	0.90
				12	103	9.00	0.82
				13	110	12.00	0.90

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
				14	103	10.00	0.92
				15	97	8.00	0.88
				16	112	13.00	0.93
				17	104	14.00	1.24
				18	104	11.00	0.98
				19	102	12.00	1.13
				20	104	10.00	0.89
				21	103	10.00	0.92
				22	105	8.00	0.69
				23	113	15.00	1.04
				24	97	11.00	1.21
				25	105	12.00	1.04
				26	106	13.00	1.09
				27	110	16.00	1.20
				28	104	11.00	0.98
				29	111	12.00	0.88
				30	97	12.00	1.31
				31	99	11.00	1.13
				32	106	9.00	0.76
				33	108	12.00	0.95
				34	97	11.00	1.21
				35	152	34.00	0.97
				36	82	4.82	0.87
			CARP	1	208	137.00	1.52
				2	186	102.00	1.59
			STRIPED SHINER	1	67	3.42	1.14
				2	66	3.18	1.11
				3	68	3.14	1.00
				4	66	2.78	0.97
				5	64	2.60	0.99
				6	59	2.02	0.98
				7	62	2.38	1.00
				8	62	2.42	1.02
				9	58	1.89	0.97
			ROSYFACE SHINER	1	51	0.98	0.74
				2	51	0.90	0.68
			BLUNTNOSE MINNOW	1	80	5.00	0.98
				2	71	4.03	1.13
				3	66	2.96	1.03
				4	58	1.72	0.88
				5	56	1.68	0.96
			QUILLBACK	1	408	817.20	1.20
			NORTHERN HOGSUCKER	1	305	325.00	1.15
				2	66	2.98	1.04
			SILVER REDHORSE	1	70	4.22	1.23
			GOLDEN REDHORSE	1	362	516.00	1.09
				2	265	202.00	1.09
				3	232	138.00	1.11
			SHORTHEAD REDHORSE	1	187	74.00	1.13
				2	196	90.00	1.20
				3	90	7.77	1.07
			BROOK SILVERSIDE	1	60	1.11	0.51
			GREEN SUNFISH	1	92	16.00	2.05
			LONGEAR SUNFISH	1	81	12.00	2.26
				2	92	19.00	2.44
				3	103	27.00	2.47
				4	73	7.00	1.80
				5	65	6.00	2.18
				6	86	14.00	2.20
				7	75	10.30	2.44
				8	70	6.97	2.03
				9	64	6.49	2.48
				10	69	7.17	2.18
			SMALLMOUTH BASS	1	96	12.00	1.36
				2	114	16.00	1.08
				3	110	13.00	0.98
				4	93	11.00	1.37
				5	116	16.00	1.03
				6	113	8.00	0.55
				7	65	4.00	1.46
				8	109	16.00	1.24
				9	111	13.00	0.95
				10	87	7.00	1.06
				11	92	11.00	1.41
				12	106	12.00	1.01
				13	106	12.00	1.01
				14	99	12.00	1.24
				15	90	10.00	1.37
				16	93	11.34	1.41
				17	78	6.56	1.38
			LOGPERCH	1	70	3.34	0.97
				2	68	2.87	0.91
				3	71	3.09	0.86
				4	65	2.55	0.93
D		08 11 88	GIZZARD SHAD	1	403	794.50	1.21
				2	111	15.00	1.10
				3	176	60.00	1.10
				4	142	26.00	0.91
				5	104	11.00	0.98
				6	140	27.00	0.98
				7	132	24.00	1.04
				8	132	22.00	0.96
				9	136	23.00	0.91
				10	139	24.00	0.89

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
1R	0	08 11 88	GIZZARD SHAD	11	108	12.00	0.95
				12	108	12.00	0.95
				13	109	15.00	1.16
				14	105	11.00	0.95
				15	105	15.00	1.30
				16	105	11.00	0.95
				17	108	16.00	1.27
				18	138	25.00	0.95
				19	97	9.00	0.99
				20	115	14.00	0.92
				21	121	16.00	0.90
				22	135	25.97	1.06
			CARP	1	202	128.00	1.55
				2	186	96.00	1.49
				3	202	125.00	1.52
				4	229	190.00	1.58
				5	142	42.00	1.47
				6	154	57.00	1.56
			STRIPED SHINER	1	66	2.76	0.96
				2	53	1.46	0.98
				3	53	1.41	0.95
			ROSYFACE SHINER	1	60	1.51	0.70
				2	55	1.19	0.72
			SPOTFIN SHINER	1	91	8.60	1.14
				2	66	2.97	1.03
				3	59	1.92	0.93
				4	57	1.87	1.01
				5	65	2.67	0.97
				6	50	1.01	0.81
			BLUNTNOSE MINNOW	1	71	3.67	1.03
				2	64	2.71	1.03
				3	61	2.43	1.07
				4	57	1.93	1.04
				5	53	1.40	0.94
				6	55	1.82	1.09
			QUILLBACK	1	341	681.00	1.72
				2	423	1021.50	1.35
			SILVER REDHORSE	1	75	5.24	1.24
				2	68	3.56	1.13
			GOLDEN REDHORSE	1	225	121.00	1.06
				2	281	251.00	1.13
			SHORTHEAD REDHORSE	1	95	8.82	1.03
				2	83	6.12	1.07
				3	88	7.89	1.16
				4	63	2.71	1.08
			ROCK BASS	1	175	103.00	1.92
				2	187	132.00	2.02
				3	136	49.00	1.95
			ORANGESPOTTED SUNFISH	1	80	8.00	1.56
			LONGEAR SUNFISH	1	107	32.00	2.61
				2	96	18.00	2.03
				3	120	37.00	2.14
				4	118	34.00	2.07
				5	122	41.00	2.26
				6	74	9.30	2.30
				7	31	0.52	1.75
			SMALLMOUTH BASS	1	132	31.00	1.35
				2	250	214.00	1.37
				3	184	73.00	1.17
				4	115	22.00	1.45
				5	98	12.00	1.27
				6	120	22.00	1.27
				7	123	22.00	1.18
				8	82	7.00	1.27
				9	132	31.00	1.35
				10	96	12.00	1.36
				11	92	9.00	1.16
				12	92	6.00	0.77
				13	101	13.47	1.31
			LOGPERCH	1	82	5.30	0.96
				2	76	4.36	0.99
				3	80	4.20	0.82
			WALLEYE	1	182	45.00	0.75
2	A	08 02 88	LONGNOSE GAR	1	269	23.00	0.12
				2	225	9.00	0.08
				3	310	30.00	0.10
				4	260	17.00	0.10
				5	309	33.00	0.11
			GIZZARD SHAD	1	95	5.00	0.58
				1	113	14.48	1.00
				2	83	5.74	1.00
				3	71	3.09	0.86
				4	101	9.94	0.96
				5	97	9.54	1.05
				6	87	6.14	0.93
				7	91	7.04	0.93
				8	96	8.72	0.99
				9	87	6.08	0.92
				10	79	4.37	0.89
				11	72	3.44	0.92
			CARP	1	149	46.00	1.39
				2	164	71.00	1.61
				3	127	29.00	1.42
				4	141	40.00	1.43
				5	103	15.00	1.37
				6	132	33.00	1.43
				7	145	41.00	1.34
				8	122	25.00	1.38

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
				9	123	26.00	1.40
				10	173	83.00	1.60
				11	153	47.00	1.31
				12	147	48.00	1.51
				13	164	63.00	1.43
				14	139	35.00	1.30
				15	117	24.00	1.50
				16	135	30.00	1.22
				17	130	24.00	1.09
				18	125	28.00	1.43
				19	131	30.00	1.33
				20	136	32.00	1.27
				21	153	58.00	1.62
				22	150	49.00	1.45
				23	105	16.00	1.38
				24	129	31.00	1.44
				25	143	40.00	1.37
				26	118	21.00	1.28
				27	134	34.00	1.41
				28	132	32.00	1.39
				29	126	28.00	1.40
				30	125	24.00	1.23
				31	169	70.00	1.45
				32	135	25.00	1.02
				33	170	72.00	1.47
				34	152	52.00	1.48
				35	154	55.00	1.51
				36	152	52.00	1.48
				37	104	16.55	1.47
			STRIPED SHINER	1	115	17.00	1.12
				2	68	2.03	0.65
				3	62	1.80	0.76
				4	57	1.52	0.82
				5	51	0.95	0.72
				6	56	1.43	0.81
				7	48	0.75	0.68
				8	52	0.80	0.57
			ROSYFACE SHINER	1	68	2.13	0.68
				2	60	1.32	0.61
				3	60	1.38	0.64
				4	60	1.45	0.67
				5	50	0.75	0.60
				6	53	0.87	0.58
				7	52	0.87	0.62
				8	53	0.90	0.60
				9	53	0.83	0.56
				10	54	0.83	0.53
				11	55	0.97	0.58
				12	54	0.82	0.52
				13	52	0.81	0.58
				14	53	0.78	0.52
				15	56	1.11	0.63
				16	53	0.90	0.60
				17	50	0.68	0.54
				18	49	0.68	0.58
				19	50	0.75	0.60
				20	49	0.62	0.53
				21	48	0.54	0.49
				22	57	1.14	0.62
				23	51	0.71	0.54
				24	52	0.76	0.54
				25	49	0.67	0.57
				26	48	0.57	0.52
				27	50	0.66	0.53
				28	50	0.73	0.58
				29	48	0.56	0.51
				30	51	0.73	0.55
				31	52	0.75	0.53
				32	51	0.74	0.56
				33	43	0.47	0.59
			SPOTFIN SHINER	1	72	3.03	0.81
				2	61	2.10	0.93
				3	62	1.86	0.78
				4	66	2.41	0.84
				5	58	1.44	0.74
				6	57	1.54	0.83
				7	52	1.00	0.71
				8	48	0.72	0.65
			SAND SHINER	1	65	2.47	0.90
				2	59	1.68	0.82
				3	52	1.07	0.76
			REDFIN SHINER	1	56	1.20	0.68
				2	53	0.93	0.62
				3	49	0.79	0.67
				4	50	0.86	0.69
				5	48	0.65	0.59
				6	50	0.89	0.71
				7	48	0.73	0.66
				8	46	0.63	0.65
			MIMIC SHINER	1	59	1.27	0.62
			BLUNTNOSE MINNOW	1	77	4.40	0.96
				2	71	3.28	0.92
				3	67	2.64	0.88
				4	65	2.25	0.82
				5	58	1.68	0.86
				6	56	1.54	0.88
				7	56	1.55	0.88

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
				8	56	1.36	0.77
				9	55	1.16	0.70
				10	56	1.33	0.76
				11	51	1.11	0.84
			QUILLBACK	1	82	6.05	1.10
				2	71	4.43	1.24
			WHITE SUCKER	1	76	4.52	1.03
			BROOK SILVERSIDE	1	65	0.96	0.35
				2	55	0.64	0.38
			ROCK BASS	1	181	120.00	2.02
			GREEN SUNFISH	1	106	22.00	1.85
				2	91	12.00	1.59
				3	87	11.00	1.67
				4	85	10.00	1.63
				5	95	14.00	1.63
				6	95	14.00	1.63
				7	110	30.00	2.25
				8	120	32.00	1.85
				9	98	16.00	1.70
				10	120	27.00	1.56
				11	106	22.00	1.85
				12	91	14.00	1.86
				13	91	14.40	1.91
				14	72	7.32	1.96
				15	72	7.49	2.01
				16	89	10.95	1.55
				17	80	9.87	1.93
				18	85	11.69	1.90
				19	80	9.80	1.91
				20	73	6.53	1.68
			LONGEAR SUNFISH	1	100	18.00	1.80
				2	87	13.00	1.97
				3	86	12.00	1.89
				4	110	25.00	1.88
				5	78	8.69	1.83
				6	71	6.37	1.78
				7	67	4.75	1.58
				8	74	7.78	1.92
				9	74	7.48	1.85
				10	73	7.59	1.95
				11	71	5.47	1.53
				12	80	9.31	1.82
				13	73	6.95	1.79
				14	65	4.45	1.62
				15	74	7.39	1.82
				16	63	3.86	1.54
				17	65	4.28	1.56
				18	62	3.94	1.65
				19	64	4.69	1.79
				20	70	5.38	1.57
				21	63	4.09	1.64
				22	67	5.30	1.76
				23	66	4.52	1.57
				24	62	4.27	1.79
				25	62	4.09	1.72
				26	69	5.81	1.77
				27	62	3.67	1.54
				28	62	4.07	1.71
				29	62	3.77	1.58
				30	61	3.87	1.70
				31	63	4.15	1.66
				32	60	3.26	1.51
				33	57	2.69	1.45
				34	61	3.47	1.53
				35	58	2.91	1.49
				36	62	3.98	1.67
				37	61	3.50	1.54
				38	60	3.48	1.61
				39	63	3.86	1.54
				40	57	2.60	1.40
				41	47	1.76	1.70
				42	53	2.38	1.60
				43	57	2.95	1.59
				44	53	2.43	1.63
				45	59	3.30	1.61
			SMALLMOUTH BASS	1	227	149.00	1.27
				2	101	12.41	1.20
				3	94	9.71	1.17
				4	93	8.90	1.11
				5	80	5.36	1.05
				6	80	5.76	1.12
				7	89	7.84	1.11
				8	75	5.11	1.21
				9	75	5.07	1.20
				10	71	4.51	1.26
				11	71	3.96	1.11
				12	72	4.60	1.23
				13	66	3.60	1.25
				14	68	3.49	1.11
				15	63	2.93	1.17
				16	65	2.69	0.98
			LARGEMOUTH BASS	1	90	8.32	1.14
			JOHNNY DARTER	1	50	0.92	0.74

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING OURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
2	A	08 02 88	YELLOW PERCH	1	75	3.52	0.83
			BLACKSIDE DARTER	1	60	1.53	0.71
				2	53	1.02	0.69
				3	50	0.83	0.66
	B	08 05 88	LONGNOSE GAR	1	68	20.00	6.36
			GIZZARD SHAD	1	110	14.00	1.05
				2	98	8.00	0.85
				3	112	11.00	0.78
				4	104	11.00	0.98
				5	87	8.00	1.21
				6	95	10.00	1.17
				7	117	13.00	0.81
				8	107	12.00	0.98
				9	100	10.00	1.00
				10	95	9.00	1.05
				11	104	11.00	0.98
				12	105	14.00	1.21
				13	110	15.00	1.13
				14	112	13.00	0.93
				15	100	12.00	1.20
				16	98	12.00	1.27
				17	114	14.00	0.94
				18	105	13.00	1.12
				19	110	13.00	0.98
				20	95	9.00	1.05
				21	110	12.00	0.90
				22	111	12.00	0.88
				23	103	10.00	0.92
				24	113	14.00	0.97
				25	94	8.00	0.96
				26	107	12.00	0.98
				27	96	7.00	0.79
				28	111	12.00	0.88
				29	100	10.00	1.00
				30	97	9.04	0.99
				31	114	13.88	0.94
				32	100	9.50	0.95
				33	94	7.21	0.87
				34	104	9.81	0.87
				35	92	7.40	0.95
				36	87	6.11	0.93
			GRASS PICKEREL	1	151	15.00	0.44
			CARP	1	160	59.00	1.44
				2	140	40.00	1.46
				3	133	35.00	1.49
				4	130	38.00	1.73
				5	150	49.00	1.45
				6	146	47.00	1.51
				7	156	52.00	1.37
				8	143	42.00	1.44
				9	150	54.00	1.60
				10	135	34.00	1.38
				11	146	48.00	1.54
				12	133	37.00	1.57
				13	122	33.00	1.82
				14	116	24.00	1.54
				15	115	24.00	1.58
				16	155	5.70	0.15
			STRIPED SHINER	1	56	1.55	0.88
				2	54	1.22	0.77
				3	55	1.38	0.83
				4	55	1.60	0.96
				5	52	1.18	0.84
				6	49	0.87	0.74
				7	50	0.89	0.71
				8	45	0.67	0.74
				9	49	0.89	0.76
				10	48	0.88	0.80
				11	47	0.86	0.83
				12	42	0.57	0.77
			ROSYFACE SHINER	1	67	1.82	0.61
				2	53	0.93	0.62
				3	54	0.87	0.55
				4	53	0.87	0.58
				5	52	0.75	0.53
				6	52	0.79	0.56
				7	52	0.87	0.62
				8	53	0.79	0.53
				9	50	0.63	0.50
				10	50	0.66	0.53
			SPOTFIN SHINER	1	79	4.18	0.85
			SAND SHINER	1	63	1.84	0.74
				2	64	2.39	0.91
				3	60	1.88	0.87
				4	56	1.38	0.79
				5	53	0.93	0.62
				6	51	1.06	0.80
				7	48	0.75	0.68
				8	51	0.96	0.72
				9	50	0.84	0.67
				10	50	0.90	0.72
				11	49	0.67	0.57
				12	50	0.82	0.66
			REDFIN SHINER	1	50	0.75	0.60
			MIMIC SHINER	1	53	1.20	0.81
				2	53	1.17	0.79
				3	53	1.10	0.74
				4	53	1.13	0.76

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
			BLUNTNOSE MINNOW	1	67	5.00	1.66
				2	71	3.08	0.86
				3	67	2.85	0.95
				4	57	1.44	0.78
			SMALLMOUTH BUFFALO	1	73	4.39	1.13
			SILVER REDHORSE	1	60	2.26	1.05
			BROOK SILVERSIDE	1	64	0.87	0.33
				2	58	0.80	0.41
			ROCK BASS	1	135	49.00	1.99
			GREEN SUNFISH	1	76	10.00	2.28
				2	87	14.00	2.13
				3	86	13.00	2.04
				4	100	19.00	1.90
				5	125	34.00	1.74
				6	168	101.00	2.13
				7	125	32.00	1.64
				8	72	7.00	1.88
				9	72	7.00	1.88
				10	97	16.00	1.75
				11	68	6.00	1.91
				12	76	8.00	1.82
				13	105	25.00	2.16
				14	75	9.00	2.13
			LONGEAR SUNFISH	1	91	15.00	1.99
				2	84	11.00	1.86
				3	78	11.00	2.32
				4	61	7.00	3.08
				5	73	8.00	2.06
				6	71	7.00	1.96
				7	101	21.00	2.04
				8	68	5.00	1.59
				9	75	8.00	1.90
				10	80	11.00	2.15
				11	65	6.00	2.18
				12	57	3.00	1.62
				13	83	12.00	2.10
				14	78	8.00	1.69
				15	66	4.00	1.39
				16	85	17.00	2.77
				17	79	8.84	1.79
				18	68	5.54	1.76
				19	56	2.68	1.53
				20	58	3.56	1.82
				21	58	3.29	1.69
				22	55	2.97	1.79
				23	52	1.92	1.37
				24	51	1.92	1.45
			SMALLMOUTH BASS	1	67	5.00	1.66
				2	81	10.00	1.88
				3	95	8.00	0.93
				4	102	10.00	0.94
				5	101	13.00	1.26
				6	81	6.00	1.13
				7	112	12.00	0.85
				8	75	8.00	1.90
				9	90	10.00	1.37
				10	100	11.58	1.16
				11	68	4.26	1.35
				12	76	5.59	1.27
				13	76	5.63	1.28
				14	70	4.13	1.20
				15	69	3.85	1.17
				16	68	3.77	1.20
				17	65	3.48	1.27
				18	63	2.93	1.17
				19	61	2.48	1.09
				20	59	2.34	1.14
				21	57	2.21	1.19
			LARGEMOUTH BASS	1	110	14.00	1.05
				2	56	2.20	1.25
			JOHNNY DARTER	1	33	0.15	0.42
				2	31	0.10	0.34
				3	55	1.06	0.64
			BLACKSIDE DARTER	1	62	2.22	0.93
				2	57	1.27	0.69
				3	58	1.49	0.76
C		08 08 88	LONGNOSE GAR	1	296	25.00	0.10
			GIZZARD SHAD	1	83	8.00	1.40
				2	100	9.00	0.90
				3	98	9.00	0.96
				4	108	10.00	0.79
				5	97	9.00	0.99
				6	106	11.00	0.92
				7	91	8.00	1.06
				8	98	12.00	1.27
				9	93	9.13	1.14
			CARP	1	151	53.00	1.54
				2	130	32.00	1.46
				3	151	49.00	1.42
				4	136	38.00	1.51
			STRIPED SHINER	1	60	2.08	0.96
				2	53	1.35	0.91
				3	55	1.43	0.86
				4	52	1.09	0.78
				5	50	1.04	0.83

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
			ROSYFACE SHINER	1	73	2.43	0.62
				2	55	1.04	0.63
				3	56	1.12	0.64
				4	56	1.15	0.65
				5	66	2.03	0.71
				6	59	1.47	0.72
				7	65	1.64	0.60
				8	60	1.22	0.56
				9	56	1.14	0.65
				10	57	1.11	0.60
				11	52	0.94	0.67
				12	53	0.96	0.64
				13	55	1.11	0.67
				14	55	1.18	0.71
				15	57	1.18	0.64
				16	57	1.25	0.67
				17	49	0.74	0.63
				18	53	0.96	0.64
				19	54	1.09	0.69
				20	51	0.87	0.66
				21	48	0.74	0.67
				22	52	0.91	0.65
				23	52	0.93	0.66
				24	51	0.79	0.60
				25	52	0.85	0.60
				26	47	0.64	0.62
				27	41	0.45	0.65
				28	44	0.51	0.60
				29	36	0.29	0.62
			SPOTFIN SHINER	1	70	3.29	0.96
				2	62	2.23	0.94
				3	63	2.30	0.92
				4	59	1.89	0.92
				5	58	1.71	0.88
				6	55	1.44	0.87
				7	54	1.32	0.84
				8	50	0.94	0.75
				9	48	0.88	0.80
			SAND SHINER	1	55	1.28	0.77
				2	51	1.01	0.76
				3	46	0.85	0.87
				4	45	0.65	0.71
			REDFIN SHINER	1	55	1.26	0.76
				2	55	1.17	0.70
				3	52	1.06	0.75
				4	52	0.98	0.70
				5	52	0.91	0.65
				6	47	0.72	0.69
				7	50	0.92	0.74
				8	51	0.95	0.72
			MIMIC SHINER	1	57	1.68	0.91
				2	53	1.29	0.87
				3	53	1.36	0.91
				4	50	1.01	0.81
			BLUNTNOSE MINNOW	1	68	3.35	1.07
				2	66	3.16	1.10
				3	63	2.24	0.90
				4	59	1.89	0.92
				5	57	1.72	0.93
				6	56	1.55	0.88
				7	57	1.71	0.92
				8	53	1.35	0.91
				9	49	1.01	0.86
			NORTHERN HOGSUCKER	1	382	567.50	1.02
			SMALLMOUTH BUFFALO	1	95	10.00	1.17
				2	85	8.00	1.30
			BROOK SILVERSIDE	1	63	1.09	0.44
				2	60	1.00	0.46
				3	60	1.06	0.49
			GREEN SUNFISH	1	108	21.00	1.67
				2	110	22.00	1.65
				3	105	25.00	2.16
				4	85	12.00	1.95
			LONGEAR SUNFISH	1	83	9.00	1.57
				2	85	11.00	1.79
				3	123	36.00	1.93
				4	85	11.00	1.79
				5	80	11.00	2.15
				6	58	5.00	2.56
				7	78	8.00	1.69
				8	97	21.00	2.30
				9	82	10.00	1.81
				10	75	9.00	2.13
			SMALLMOUTH BASS	1	61	2.00	0.88
				2	85	9.00	1.47
				3	82	8.00	1.45
				4	80	8.00	1.56
				5	85	9.00	1.47
				6	101	14.00	1.36
				7	71	6.00	1.68
				8	74	4.89	1.21
				9	63	2.89	1.16
				10	59	2.93	1.43
			JOHNNY DARTER	1	39	0.47	0.79
				2	28	0.21	0.96

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
2	C	08 08 88	BLACKSIDE DARTER	1	59	1.79	0.87
	O	08 11 88	GIZZARD SHAD	1	113	12.00	0.83
				2	121	17.00	0.96
				3	105	11.00	0.95
				4	106	12.00	1.01
				5	124	18.00	0.94
				6	115	15.00	0.99
				7	119	17.00	1.01
				8	90	7.00	0.96
				9	110	14.00	1.05
				10	110	14.00	1.05
				11	118	16.00	0.97
				12	115	15.00	0.99
				13	116	14.00	0.90
				14	117	16.00	1.00
				15	125	21.00	1.08
				16	100	13.00	1.30
				17	122	19.00	1.05
				18	114	15.00	1.01
				19	95	10.00	1.17
				20	98	10.00	1.06
				21	111	15.00	1.10
				22	122	18.00	0.99
				23	119	19.00	1.13
				24	165	43.00	0.96
				25	120	18.00	1.04
				26	120	18.39	1.06
				27	122	17.87	0.98
				28	123	20.62	1.11
				29	123	20.47	1.10
				30	120	16.27	0.94
				31	112	14.16	1.01
				32	112	14.48	1.03
				33	96	9.57	1.08
			CARP	1	565	516.00	0.29
			STRIPED SHINER	1	70	3.88	1.13
				2	65	2.64	0.96
				3	52	1.41	1.00
				4	50	1.18	0.94
				5	49	1.08	0.92
				6	51	1.27	0.96
				7	41	0.71	1.03
			ROSYFACE SHINER	1	52	0.91	0.65
				2	51	0.97	0.73
				3	56	1.23	0.70
				4	53	1.10	0.74
				5	50	0.92	0.74
				6	51	0.92	0.69
				7	48	0.75	0.68
				8	50	0.83	0.66
				9	45	0.70	0.77
				10	50	0.91	0.73
				11	45	0.70	0.77
				12	48	0.73	0.66
				13	52	0.97	0.69
				14	53	0.97	0.65
				15	53	0.97	0.65
				16	47	0.72	0.69
				17	36	0.38	0.81
			SPOTFIN SHINER	1	69	3.31	1.01
				2	70	3.26	0.95
				3	71	3.47	0.97
				4	69	3.50	1.07
				5	67	3.06	1.02
				6	56	1.61	0.92
			SAND SHINER	1	60	2.04	0.94
				2	49	1.04	0.88
				3	47	1.01	0.97
			REDFIN SHINER	1	59	1.58	0.77
				2	48	0.96	0.87
				3	53	1.11	0.75
				4	51	1.03	0.78
				5	50	1.03	0.82
			MIMIC SHINER	1	60	1.79	0.83
				2	47	0.94	0.91
			BLUNTNOSE MINNOW	1	75	4.49	1.06
				2	68	3.29	1.05
				3	79	5.71	1.16
				4	66	3.16	1.10
				5	58	1.93	0.99
				6	57	1.76	0.95
				7	57	1.89	1.02
				8	53	1.44	0.97
				9	51	1.21	0.91
			NORTHERN HOGSUCKER	1	344	408.00	1.00
			BROOK SILVERSIDE	1	61	1.14	0.50
				2	67	1.53	0.51
				3	62	1.29	0.54
			ROCK BASS	1	187	132.00	2.02
			GREEN SUNFISH	1	136	46.00	1.83
				2	105	25.00	2.16
				3	86	12.00	1.89
				4	93	12.00	1.49

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
			LONGEAR SUNFISH	1	82	12.00	2.18
				2	63	5.00	2.00
				3	74	9.00	2.22
				4	98	21.00	2.23
				5	68	9.00	2.86
				6	120	36.00	2.08
				7	76	9.00	2.05
				8	75	9.00	2.13
				9	69	5.00	1.52
				10	64	5.83	2.22
				11	69	6.68	2.03
				12	66	6.33	2.20
				13	65	5.64	2.05
				14	60	4.66	2.16
				15	57	3.69	1.99
			SMALLMOUTH BASS	1	115	15.00	0.99
				2	85	8.00	1.30
				3	87	10.00	1.52
				4	101	12.00	1.16
				5	75	5.78	1.37
				6	80	6.64	1.30
				7	87	8.19	1.24
				8	71	4.06	1.13
				9	70	4.30	1.25
				10	64	3.34	1.27
				11	55	2.42	1.45
				12	74	5.38	1.33
			YELLOW PERCH	1	85	8.00	1.30
				2	92	8.00	1.03
			BLACKSIDE DARTER	1	60	1.89	0.87
				2	54	1.59	1.01
3L	A	08 02 88	NORTHERN HOGSUCKER	1	352	635.00	1.46
				2	405	494.00	0.74
			BLACK REDHORSE	1	313	295.00	0.96
				2	308	300.00	1.03
				3	342	390.00	0.97
			GOLDEN REDHORSE	1	392	590.00	0.98
				2	404	953.00	1.45
				3	168	52.00	1.10
				4	172	52.50	1.03
				5	437	1135.00	1.36
				6	375	681.00	1.29
				7	323	370.00	1.10
				8	391	749.00	1.25
				9	332	369.00	1.01
				10	362	509.00	1.07
				11	323	111.00	0.33
			SHORTHEAD REDHORSE	1	378	681.00	1.26
				2	342	420.00	1.05
			LONGEAR SUNFISH	1	120	30.50	1.77
			SMALLMOUTH BASS	1	95	6.00	0.70
				2	110	9.00	0.68
				3	100	10.00	1.00
				4	118	15.00	0.91
				5	120	15.00	0.87
				6	116	23.00	1.47
				7	105	13.35	1.15
				8	97	13.13	1.44
				9	89	8.35	1.18
				10	85	7.69	1.25
				11	81	6.59	1.24
				12	90	8.27	1.13
				13	82	6.85	1.24
				14	72	4.46	1.19
				15	80	6.57	1.28
				16	76	5.08	1.16
				17	70	4.08	1.19
				18	67	3.72	1.24
				19	66	3.54	1.23
				20	70	4.10	1.20
				21	65	3.25	1.18
				22	68	3.58	1.14
				23	68	4.00	1.27
				24	67	3.29	1.09
				25	67	3.55	1.18
				26	68	3.75	1.19
				27	63	2.83	1.13
				28	62	3.06	1.28
				29	61	2.65	1.17
				30	61	2.79	1.23
				31	62	2.95	1.24
				32	57	2.12	1.14
			LOGPERCH	1	70	3.25	0.95
				2	68	2.85	0.91
				3	61	2.21	0.97
				4	73	3.22	0.83
				5	66	2.41	0.84
				6	63	2.00	0.80
			SLENDERHEAD DARTER	1	85	5.00	0.81
	B	08 05 88	CARP	1	149	49.00	1.48
			NORTHERN HOGSUCKER	1	370	681.00	1.34
				2	366	817.20	1.67
				3	343	544.80	1.35
			GOLDEN REDHORSE	1	405	862.60	1.30
				2	373	771.80	1.49
				3	377	680.50	1.27

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
				4	235	136.00	1.05
				5	315	499.40	1.60
				6	254	165.00	1.01
				7	175	53.00	0.99
				8	177	55.00	0.99
				9	171	57.00	1.14
				10	166	53.00	1.16
				11	160	48.00	1.17
			BROOK SILVERSIDE	1	61	1.00	0.44
			ROCK BASS	1	205	185.00	2.15
				2	170	110.00	2.24
				3	174	113.00	2.15
				4	142	54.00	1.89
				5	172	108.00	2.12
				6	25	0.25	1.60
			SMALLMOUTH BASS	1	181	72.00	1.21
				2	137	30.00	1.17
				3	107	11.00	0.90
				4	103	13.00	1.19
				5	79	10.00	2.03
				6	110	17.00	1.28
				7	107	13.00	1.06
				8	90	9.00	1.23
				9	75	5.00	1.19
				10	75	5.00	1.19
				11	77	6.00	1.31
				12	61	4.00	1.76
				13	92	8.00	1.03
				14	100	15.00	1.50
				15	81	7.00	1.32
				16	117	21.73	1.36
				17	65	3.20	1.17
				18	79	5.69	1.15
				19	72	4.25	1.14
				20	66	3.59	1.25
				21	63	3.06	1.22
				22	62	2.63	1.10
				23	65	2.82	1.03
				24	90	8.79	1.21
			JOHNNY DARTER	1	40	0.43	0.67
			LOGPERCH	1	78	4.50	0.95
				2	71	2.95	0.82
				3	68	2.28	0.73
				4	65	2.30	0.84
				5	70	2.87	0.84
				6	60	1.85	0.86
				7	55	1.26	0.76
				8	57	1.38	0.75
				9	61	1.75	0.77
			SLENDERHEAD DARTER	1	77	3.92	0.86
	C	08 08 88	GIZZARD SHAD	1	298	308.00	1.16
				2	270	240.00	1.22
			CARP	1	173	76.00	1.47
			STRIPED SHINER	1	38	0.43	0.78
			ROSYFACE SHINER	1	51	0.83	0.63
				2	51	0.90	0.68
			QUILLBACK	1	425	953.40	1.24
			NORTHERN HOGSUCKER	1	330	412.00	1.15
				2	344	465.00	1.14
			BLACK REDHORSE	1	346	425.00	1.03
			GOLDEN REDHORSE	1	349	454.00	1.07
				2	392	681.00	1.13
			ROCK BASS	1	210	178.00	1.92
			SMALLMOUTH BASS	1	273	253.00	1.24
				2	234	174.00	1.36
				3	186	70.00	1.09
				4	121	21.00	1.19
				5	123	20.00	1.07
				6	100	11.00	1.10
				7	102	9.00	0.85
				8	117	16.00	1.00
				9	91	9.00	1.19
				10	91	8.00	1.06
				11	92	9.00	1.16
				12	71	5.00	1.40
				13	75	7.00	1.66
				14	120	22.00	1.27
				15	115	18.00	1.18
				16	105	13.00	1.12
				17	107	12.00	0.98
				18	81	7.00	1.32
				19	80	4.00	0.78
				20	81	8.00	1.51
				21	71	6.00	1.68
				22	82	6.00	1.09
				23	77	6.00	1.31
				24	81	6.53	1.23
				25	71	4.54	1.27
				26	65	3.54	1.29
				27	69	3.70	1.13
				28	70	4.05	1.18
				29	62	3.00	1.26
				30	68	3.90	1.24
				31	68	3.56	1.13
				32	65	3.42	1.25
				33	65	3.48	1.27
				34	65	3.23	1.18
				35	71	4.27	1.19
				36	66	3.40	1.18

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
3L	C	08 08 88	SMALLMOUTH BASS	37	63	3.00	1.20
				38	65	3.18	1.16
				39	66	3.44	1.20
				40	63	3.03	1.21
				41	65	3.03	1.10
				42	61	2.83	1.25
				43	69	4.23	1.29
				44	64	2.84	1.08
				45	67	2.68	0.89
			LOGPERCH	1	77	4.00	0.88
				2	80	4.84	0.95
				3	74	3.08	0.76
				4	73	3.31	0.85
				5	71	2.98	0.83
				6	70	2.98	0.87
				7	72	2.87	0.77
				8	69	2.53	0.77
				9	65	2.38	0.87
				10	66	2.32	0.81
				11	61	1.76	0.78
			SLENDERHEAD DARTER	1	85	3.00	0.49
				2	53	1.14	0.77
	D	08 11 88	SPOTFIN SHINER	1	64	2.93	1.12
			RIVER REDHORSE	1	195	90.00	1.21
			GOLDEN REDHORSE	1	403	726.40	1.11
				2	375	635.60	1.21
				3	320	327.00	1.00
			BROOK SILVERSIDE	1	67	1.60	0.53
				2	66	1.43	0.50
				3	63	1.42	0.57
				4	67	1.61	0.54
				5	61	1.21	0.53
				6	67	1.55	0.52
				7	62	1.30	0.55
				8	58	1.09	0.56
				9	61	1.25	0.55
				10	59	1.19	0.58
			ROCK BASS	1	175	120.00	2.24
				2	207	135.00	1.52
				3	176	115.00	2.11
			LONGEAR SUNFISH	1	81	11.00	2.07
				2	30	0.50	1.85
			SMALLMOUTH BASS	1	262	260.00	1.45
				2	119	17.00	1.01
				3	105	10.50	0.91
				4	135	26.00	1.06
				5	122	20.50	1.13
				6	106	10.00	0.84
				7	111	13.00	0.95
				8	104	10.00	0.89
				9	79	3.00	0.61
				10	72	3.00	0.80
				11	121	15.00	0.85
				12	116	15.00	0.96
				13	110	12.00	0.90
				14	96	8.00	0.90
				15	79	2.00	0.41
				16	90	3.00	0.41
				17	68	2.00	0.64
				18	65	2.00	0.73
				19	67	2.00	0.66
				20	70	2.00	0.58
				21	78	3.00	0.63
				22	85	5.00	0.81
				23	66	2.00	0.70
				24	68	2.00	0.64
				25	79	2.00	0.41
				26	71	4.39	1.23
				27	72	4.61	1.24
				28	67	4.09	1.36
				29	75	5.13	1.22
				30	65	3.57	1.30
				31	63	3.12	1.25
				32	67	3.92	1.30
				33	65	3.48	1.27
				34	63	3.08	1.23
			LOGPERCH	1	72	3.57	0.96
				2	76	4.00	0.91
				3	79	4.39	0.89
				4	71	3.66	1.02
				5	73	3.53	0.91
				6	74	3.90	0.96
				7	70	3.40	0.99
				8	66	2.53	0.88
				9	67	2.87	0.95
				10	69	2.95	0.90
				11	63	2.23	0.89
				12	63	2.30	0.92
				13	62	2.05	0.86
			SLENDERHEAD DARTER	1	51	1.37	1.03
3R	A	08 02 88	GIZZARD SHAD	1	381	681.00	1.23
			CARP	1	122	25.00	1.38
				2	140	38.00	1.38
			STRIPED SHINER	1	63	2.70	1.08
				2	65	3.31	1.21
				3	63	2.58	1.03
				4	59	2.19	1.07
			SPOTFIN SHINER	1	67	3.61	1.20
				2	52	1.30	0.92

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING OURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
			BLUNTNOSE MINNOW	1	52	1.37	0.97
			NORTHERN HOGSUCKER	1	338	448.00	1.16
				2	378	325.00	0.60
			GOLDEN REDHORSE	1	390	681.00	1.15
			SHORTHEAD REDHORSE	1	443	794.50	0.91
				2	49	1.13	0.96
			ROCK BASS	1	202	182.00	2.21
				2	181	122.00	2.06
			GREEN SUNFISH	1	117	31.00	1.94
				2	88	33.00	4.84
				3	78	10.74	2.26
			LONGEAR SUNFISH	1	118	33.00	2.01
				2	98	21.00	2.23
				3	80	12.19	2.38
				4	81	12.59	2.37
				5	80	12.35	2.41
				6	79	11.35	2.30
				7	67	6.33	2.10
			SMALLMOUTH BASS	1	376	908.00	1.71
				2	270	270.00	1.37
				3	233	160.00	1.26
				4	143	37.00	1.27
				5	111	19.15	1.40
				6	98	11.15	1.18
				7	88	7.72	1.13
				8	90	9.23	1.27
				9	74	4.79	1.18
				10	66	4.03	1.40
				11	72	4.88	1.31
				12	66	3.84	1.34
				13	72	4.46	1.19
				14	66	3.41	1.19
				15	60	3.05	1.41
				16	68	3.76	1.20
				17	61	2.54	1.12
				18	57	2.28	1.23
			LOGPERCH	1	74	3.58	0.88
				2	71	3.22	0.90
				3	66	2.22	0.77
				4	67	2.62	0.87
				5	66	2.47	0.86
				6	61	2.04	0.90
	B	08 05 88	GIZZARD SHAD	1	370	726.00	1.43
			CARP	1	613	3518.50	1.53
				2	136	32.00	1.27
			STRIPED SHINER	1	62	2.10	0.88
				2	57	1.83	0.99
				3	55	1.36	0.82
				4	53	1.25	0.84
				5	52	1.06	0.75
				6	49	0.90	0.76
				7	49	0.83	0.71
				8	53	1.17	0.79
				9	46	0.70	0.72
				10	43	0.56	0.70
				11	47	0.76	0.73
				12	45	0.61	0.67
				13	50	0.93	0.74
				14	49	0.91	0.77
				15	49	0.87	0.74
				16	49	0.78	0.66
				17	51	1.10	0.83
				18	46	0.68	0.70
				19	45	0.59	0.65
				20	43	0.56	0.70
				21	47	0.79	0.76
				22	45	0.64	0.70
				23	39	0.32	0.54
				24	39	0.34	0.57
				25	41	0.44	0.64
			ROSYFACE SHINER	1	52	0.81	0.58
			SAND SHINER	1	66	2.24	0.78
			REDFIN SHINER	1	53	1.14	0.77
				2	54	1.18	0.75
				3	49	0.84	0.71
			MIMIC SHINER	1	58	1.27	0.65
				2	60	1.50	0.69
				3	62	1.91	0.80
				4	47	0.68	0.65
				5	48	0.74	0.67
			BLUNTNOSE MINNOW	1	63	2.30	0.92
				2	57	1.48	0.80
				3	59	1.70	0.83
				4	62	2.25	0.94
				5	55	1.30	0.78
				6	57	1.60	0.86
				7	53	1.12	0.75
				8	51	1.08	0.81
				9	53	1.16	0.78
				10	51	1.08	0.81
				11	56	1.21	0.69
				12	55	1.25	0.75
				13	55	1.07	0.64
				14	52	1.09	0.78
			NORTHERN HOGSUCKER	1	337	567.50	1.48
			SILVER REDHORSE	1	216	132.00	1.31
			RIVER REDHORSE	1	77	4.49	0.98
			GOLDEN REDHORSE	1	350	567.50	1.32
				2	405	862.60	1.30
				3	262	195.00	1.08

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
			SHORTHEAD REDHORSE	1	200	82.00	1.02
			BROOK SILVERSIDE	1	64	1.14	0.43
				2	53	0.68	0.46
			ROCK BASS	1	175	116.00	2.16
				2	90	14.00	1.92
			GREEN SUNFISH	1	102	13.00	1.23
			LONGEAR SUNFISH	1	117	44.00	2.75
				2	125	56.00	2.87
				3	87	12.00	1.82
				4	109	27.00	2.08
				5	102	20.00	1.88
				6	80	10.00	1.95
				7	110	29.00	2.18
				8	107	25.00	2.04
				9	98	19.00	2.02
			SMALLMOUTH BASS	1	252	214.00	1.34
				2	67	6.00	1.99
				3	130	27.00	1.23
				4	105	15.00	1.30
				5	102	12.04	1.13
				6	89	7.88	1.12
				7	90	8.64	1.19
				8	82	6.47	1.17
				9	93	9.27	1.15
				10	79	5.40	1.10
				11	88	6.75	0.99
				12	70	3.85	1.12
				13	69	4.23	1.29
				14	66	3.55	1.23
				15	66	3.33	1.16
				16	66	3.11	1.08
			JOHNNY DARTER	1	34	0.26	0.66
			LOGPERCH	1	69	2.38	0.72
				2	72	2.90	0.78
			BLACKSIDE DARTER	1	58	1.53	0.78
C		08 08 88	GIZZARD SHAD	1	115	10.00	0.66
			CARP	1	136	35.00	1.39
				2	171	72.00	1.44
			STRIPED SHINER	1	67	2.69	0.89
				2	68	2.73	0.87
				3	68	2.62	0.83
				4	62	2.15	0.90
				5	63	2.24	0.90
				6	63	2.19	0.88
				7	64	2.21	0.84
				8	60	1.62	0.75
				9	60	1.87	0.87
				10	52	1.17	0.83
				11	52	1.17	0.83
				12	51	1.13	0.85
				13	52	1.08	0.77
				14	50	0.92	0.74
				15	49	0.92	0.78
				16	45	0.89	0.98
				17	48	0.87	0.79
				18	49	0.98	0.83
				19	49	0.89	0.76
				20	46	0.92	0.95
				21	47	0.74	0.71
				22	45	0.65	0.71
				23	45	0.60	0.66
				24	46	0.71	0.73
				25	41	0.57	0.83
				26	46	0.76	0.78
				27	42	0.55	0.74
				28	43	0.61	0.77
				29	41	0.49	0.71
				30	43	0.59	0.74
				31	44	0.55	0.65
				32	42	0.51	0.69
				33	42	0.51	0.69
				34	41	0.43	0.62
				35	42	0.57	0.77
				36	38	0.35	0.64
				37	40	0.45	0.70
				38	39	0.45	0.76
			ROSYFACE SHINER	1	53	0.91	0.61
				2	48	0.75	0.68
			SAND SHINER	1	57	1.64	0.89
				2	51	1.08	0.81
				3	51	1.05	0.79
			REDFIN SHINER	1	47	0.71	0.68
			MIMIC SHINER	1	60	1.72	0.80
				2	54	1.25	0.79
				3	55	1.32	0.79
				4	50	1.00	0.80
				5	48	0.81	0.73
			BLUNTNOSE MINNOW	1	79	4.77	0.97
				2	79	5.07	1.03

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
3R	C	08 08 88	BLUNTNOSE MINNOW	3	71	3.59	1.00
				4	65	2.45	0.89
				5	60	1.77	0.82
				6	57	1.60	0.86
				7	58	1.82	0.93
				8	57	1.62	0.87
				9	56	1.67	0.95
				10	55	1.40	0.84
				11	57	1.70	0.92
				12	52	1.41	1.00
				13	53	1.22	0.82
			GOLDEN REDHORSE	1	230	130.00	1.07
				2	278	228.00	1.06
				3	56	1.79	1.02
				4	51	1.26	0.95
			SHORTHEAD REDHORSE	1	80	5.00	0.98
				2	63	2.42	0.97
				3	58	1.88	0.96
			ROCK BASS	1	185	24.00	0.38
			GREEN SUNFISH	1	144	52.00	1.74
				2	107	24.00	1.96
			LONGEAR SUNFISH	1	118	33.00	2.01
				2	102	24.00	2.26
				3	115	30.00	1.97
				4	77	9.00	1.97
				5	91	15.00	1.99
				6	90	12.00	1.65
			SMALLMOUTH BASS	1	96	11.00	1.24
				2	87	8.00	1.21
				3	85	8.00	1.30
				4	87	6.00	0.91
				5	80	5.00	0.98
				6	125	22.00	1.13
				7	86	7.00	1.10
				8	91	6.00	0.80
				9	100	9.00	0.90
				10	86	5.00	0.79
				11	101	13.00	1.26
				12	182	70.00	1.16
				13	112	17.47	1.24
				14	107	14.91	1.22
				15	70	4.10	1.20
				16	63	3.08	1.23
				17	64	3.18	1.21
				18	67	3.51	1.17
				19	62	3.08	1.29
			LARGEMOUTH BASS	1	402	998.80	1.54
			LOGPERCH	1	81	1.00	0.19
				2	75	1.00	0.24
				3	73	3.53	0.91
			SLENDERHEAD DARTER	1	53	1.23	0.83
	D	08 11 88	GIZZARD SHAD	1	310	381.00	1.28
			CARP	1	660	4154.10	1.44
				2	165	68.00	1.51
			STRIPED SHINER	1	65	5.00	1.82
			BLUNTNOSE MINNOW	1	72	2.00	0.54
			LONGEAR SUNFISH	1	34	0.88	2.24
			SMALLMOUTH BASS	1	337	635.60	1.66
				2	280	245.00	1.12
				3	228	150.00	1.27
				4	99	10.00	1.03
				5	102	11.00	1.04
				6	109	14.00	1.08
				7	75	6.00	1.42
			LARGEMOUTH BASS	1	52	2.03	1.44
			JOHNNY DARTER	1	60	1.63	0.75
			LOGPERCH	1	96	4.00	0.45
4L	A	08 02 88	GIZZARD SHAD	1	305	350.00	1.23
			CARP	1	173	86.00	1.66
				2	141	43.00	1.53
				3	155	53.00	1.42
				4	170	71.00	1.45
				5	177	84.00	1.51
				6	175	94.00	1.75
				7	146	56.00	1.80
				8	145	45.00	1.48
			NORTHERN HOGSUCKER	1	345	454.00	1.11
			GOLDEN REDHORSE	1	392	590.20	0.98
				2	240	140.00	1.01
				3	168	52.00	1.10
				4	196	82.00	1.09
				5	165	45.00	1.00
			BROOK SILVERSIDE	1	60	1.08	0.50
			ROCK BASS	1	175	114.00	2.13
				2	187	129.00	1.97
				3	168	98.00	2.07
				4	180	98.00	1.68
				5	180	122.00	2.09
				6	165	94.00	2.09
				7	186	141.00	2.19
				8	133	46.00	1.96
				9	195	156.00	2.10
				10	166	93.00	2.03
				11	120	33.00	1.91
				12	74	8.22	2.03

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
			ORANGESPOTTED SUNFISH	1	102	24.00	2.26
				2	62	4.35	1.83
			LONGEAR SUNFISH	1	76	10.00	2.28
				2	68	7.35	2.34
				3	69	7.10	2.16
			SMALLMOUTH BASS	1	101	13.00	1.26
				2	100	7.00	0.70
				3	93	9.51	1.18
				4	85	7.35	1.20
				5	88	7.64	1.12
				6	93	9.84	1.22
				7	74	5.14	1.27
				8	85	7.30	1.19
				9	79	6.11	1.24
				10	78	6.08	1.28
				11	73	5.13	1.32
				12	72	4.65	1.25
				13	70	3.91	1.14
				14	64	3.35	1.28
				15	62	2.81	1.18
				16	53	1.76	1.18
			LOGPERCH	1	79	4.27	0.87
				2	72	3.17	0.85
				3	73	3.61	0.93
				4	68	2.68	0.85
				5	68	2.97	0.94
				6	62	1.92	0.81
			SLENDERHEAD DARTER	1	57	1.74	0.94
	B	08 05 88	CARP	1	173	69.00	1.33
			STRIPED SHINER	1	66	2.71	0.94
				2	69	2.98	0.91
				3	69	3.07	0.93
				4	70	3.20	0.93
				5	65	2.44	0.89
				6	64	2.53	0.97
			QUILLBACK	1	361	499.40	1.06
			NORTHERN HOGSUCKER	1	390	817.20	1.38
				2	324	454.00	1.33
			SILVER REDHORSE	1	83	6.07	1.06
			GOLDEN REDHORSE	1	395	726.40	1.18
				2	438	998.80	1.19
				3	362	544.80	1.15
				4	376	590.20	1.11
				5	175	56.00	1.04
			BROOK SILVERSIDE	1	61	0.91	0.40
			ROCK BASS	1	189	153.00	2.27
				2	188	150.50	2.26
				3	181	124.00	2.09
				4	205	187.00	2.17
				5	160	74.00	1.81
				6	165	80.50	1.79
				7	126	37.00	1.85
				8	120	30.50	1.77
				9	73	8.00	2.06
				10	50	2.07	1.66
			ORANGESPOTTED SUNFISH	1	96	18.00	2.03
				2	75	4.00	0.95
			LONGEAR SUNFISH	1	89	11.00	1.56
				2	80	9.00	1.76
				3	110	24.00	1.80
				4	80	10.00	1.95
				5	72	6.00	1.61
				6	75	9.00	2.13
				7	103	23.00	2.10
				8	83	10.00	1.75
			SMALLMOUTH BASS	1	127	21.00	1.03
				2	95	6.00	0.70
				3	101	12.00	1.16
				4	98	10.00	1.06
				5	110	15.00	1.13
				6	105	10.00	0.86
				7	77	4.00	0.88
				8	90	8.00	1.10
				9	80	9.00	1.76
				10	70	3.00	0.87
				11	89	8.86	1.26
				12	82	6.29	1.14
				13	78	4.83	1.02
				14	73	4.84	1.24
				15	73	4.41	1.13
				16	67	3.28	1.09
				17	61	2.52	1.11
				18	60	2.40	1.11
				19	59	2.27	1.11
				20	59	2.18	1.06
4L	B	08 05 88	LOGPERCH	1	76	3.62	0.82
				2	67	2.61	0.87
				3	65	2.15	0.78
				4	64	1.90	0.72
				5	60	1.61	0.75
				6	55	1.17	0.70
				7	53	0.95	0.64
			SLENDERHEAD DARTER	1	80	5.00	0.98
				2	81	6.00	1.13
				3	51	1.01	0.76

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
	C	08 08 88	GIZZARD SHAD	1	290	252.00	1.03
				2	297	327.00	1.25
			CARP	1	186	94.00	1.46
				2	130	32.00	1.46
				3	106	15.00	1.26
			QUILLBACK	1	400	794.50	1.24
			NORTHERN HOGSUCKER	1	320	380.00	1.16
			GOLDEN REDHORSE	1	470	1135.00	1.09
				2	498	1407.40	1.14
				3	350	498.00	1.16
				4	391	635.60	1.06
				5	387	726.00	1.25
				6	412	794.50	1.14
				7	325	499.00	1.45
				8	370	490.00	0.97
				9	314	347.00	1.12
				10	160	43.00	1.05
			SHORTHEAD REDHORSE	1	345	408.00	0.99
			BROOK SILVERSIDE	1	58	1.06	0.54
			ROCK BASS	1	90	13.00	1.78
				2	54	3.13	1.99
				3	48	2.14	1.94
			BLUEGILL	1	173	123.00	2.38
			LONGEAR SUNFISH	1	76	10.00	2.28
				2	116	33.00	2.11
				3	90	14.00	1.92
			SMALLMOUTH BASS	1	405	1021.50	1.54
				2	340	491.00	1.25
				3	115	19.00	1.25
				4	113	16.00	1.11
				5	97	10.00	1.10
				6	100	9.00	0.90
				7	110	13.00	0.98
				8	76	4.00	0.91
				9	80	5.00	0.98
				10	70	4.00	1.17
				11	114	15.00	1.01
				12	112	15.00	1.07
				13	88	8.00	1.17
				14	90	8.00	1.10
				15	82	5.00	0.91
				16	71	4.00	1.12
				17	70	4.00	1.17
				18	88	8.36	1.23
				19	76	5.21	1.19
				20	67	3.69	1.23
				21	68	4.43	1.41
				22	63	3.30	1.32
				23	67	3.41	1.13
			LOGPERCH	1	78	4.10	0.86
				2	80	4.51	0.88
				3	76	4.59	1.05
				4	77	4.45	0.97
				5	74	3.68	0.91
				6	65	2.30	0.84
				7	62	1.96	0.82
			SLENDERHEAD DARTER	1	51	1.14	0.86
	D	08 11 88	LONGNOSE GAR	1	301	36.00	0.13
			GIZZARD SHAD	1	345	567.50	1.38
				2	363	624.25	1.31
			CARP	1	167	71.00	1.52
			STRIPED SHINER	1	53	1.46	0.98
				2	38	0.55	1.00
			ROSYFACE SHINER	1	46	0.80	0.82
			SILVER REDHORSE	1	97	10.00	1.10
			GOLDEN REDHORSE	1	175	56.00	1.04
				2	362	681.00	1.44
				3	412	908.00	1.30
				4	176	64.00	1.17
			STONECAT	1	116	16.00	1.03
			BROOK SILVERSIDE	1	59	1.09	0.53
				2	63	1.29	0.52
				3	65	1.42	0.52
				4	65	1.38	0.50
				5	60	1.09	0.50
				6	53	0.84	0.56
			BLUEGILL	1	162	104.00	2.45
			SMALLMOUTH BASS	1	323	480.00	1.42
				2	105	14.00	1.21
				3	74	6.00	1.48
				4	77	6.00	1.31
				5	80	6.00	1.17
				6	105	15.00	1.30
				7	108	14.00	1.11
				8	69	6.00	1.83
				9	100	11.00	1.10
				10	73	4.00	1.03
				11	96	10.00	1.13
				12	77	4.00	0.88
				13	68	4.00	1.27
				14	80	7.00	1.37
				15	86	6.00	0.94
				16	74	5.00	1.23
				17	78	7.00	1.48
				18	70	4.00	1.17
				19	93	9.00	1.12
				20	81	6.80	1.28
				21	67	4.04	1.34

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
4L	D	08 11 88	LOGPERCH	1	77	4.29	0.94
				2	71	3.58	1.00
				3	77	4.39	0.96
				4	73	3.93	1.01
				5	69	3.16	0.96
				6	68	2.74	0.87
4R	A	08 02 88	CARP	1	155	59.00	1.58
			GREEN SUNFISH	1	110	25.00	1.88
			ORANGESPOTTED SUNFISH	1	105	21.00	1.81
				2	89	11.00	1.56
				3	89	12.00	1.70
				4	75	8.00	1.90
			LONGEAR SUNFISH	1	126	41.00	2.05
				2	104	26.00	2.31
				3	72	7.00	1.88
			SMALLMOUTH BASS	1	129	21.00	0.98
				2	93	7.00	0.87
				3	95	6.00	0.70
				4	82	6.89	1.25
				5	80	5.48	1.07
				6	88	8.48	1.24
				7	73	4.85	1.25
				8	70	4.04	1.18
				9	77	5.59	1.22
				10	75	5.05	1.20
				11	77	5.55	1.22
				12	69	3.93	1.20
				13	67	3.80	1.26
				14	63	2.90	1.16
				15	62	2.90	1.22
				16	67	3.60	1.20
				17	60	2.38	1.10
				18	60	2.57	1.19
				19	61	2.57	1.13
				20	65	2.95	1.07
	B	08 05 88	LONGNOSE GAR	1	245	57.00	1.94
			GIZZARD SHAD	1	312	404.00	1.33
			STRIPED SHINER	1	55	1.37	0.82
				2	46	0.69	0.71
				3	45	0.60	0.66
				4	44	0.52	0.61
			ROSYFACE SHINER	1	55	1.07	0.64
				2	52	0.90	0.64
				3	53	1.01	0.68
				4	49	0.73	0.62
				5	54	1.07	0.68
				6	49	0.66	0.56
				7	46	0.56	0.58
				8	47	0.67	0.65
				9	46	0.55	0.57
				10	45	0.49	0.54
				11	41	0.39	0.57
				12	36	0.26	0.56
				13	38	0.31	0.56
			SAND SHINER	1	64	2.50	0.95
			BLUNTNOSE MINNOW	1	55	1.21	0.73
			BULLHEAD MINNOW	1	58	1.94	0.99
			NORTHERN HOGSUCKER	1	370	512.00	1.01
				2	311	362.00	1.20
			GOLDEN REDHORSE	1	297	294.00	1.12
				2	169	50.00	1.04
			ROCK BASS	1	171	102.00	2.04
				2	169	105.00	2.18
				3	174	114.00	2.16
				4	42	1.29	1.74
			GREEN SUNFISH	1	80	11.00	2.15
				2	85	11.00	1.79
			LONGEAR SUNFISH	1	116	32.00	2.05
				2	113	30.00	2.08
				3	122	45.00	2.48
				4	86	12.00	1.89
				5	76	9.00	2.05
				6	95	17.00	1.98
				7	109	27.00	2.08
				8	93	15.00	1.86
				9	77	11.00	2.41
				10	96	16.00	1.81
			SMALLMOUTH BASS	1	332	503.00	1.37
				2	301	408.00	1.50
				3	105	13.00	1.12
				4	77	6.00	1.31
				5	85	8.00	1.30
				6	100	12.00	1.20
				7	101	9.00	0.87
				8	98	9.00	0.96
				9	90	8.00	1.10
				10	87	5.00	0.76
				11	100	11.00	1.10
				12	97	9.00	0.99
				13	84	7.00	1.18
				14	89	8.00	1.13
				15	88	10.00	1.47
				16	71	5.00	1.40
				17	66	5.00	1.74
				18	60	2.00	0.93
				19	61	3.00	1.32
				20	75	6.00	1.42

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
				21	92	7.00	0.90
				22	60	4.00	1.85
				23	85	6.00	0.98
				24	114	21.77	1.47
				25	69	3.86	1.18
				26	65	3.32	1.21
			BANDED DARTER	1	37	0.28	0.55
			LOGPERCH	1	73	3.32	0.85
				2	73	3.16	0.81
				3	70	2.62	0.76
				4	65	2.25	0.82
				5	70	2.76	0.80
				6	63	1.86	0.74
				7	65	1.88	0.68
			SLENDERHEAD DARTER	1	51	1.02	0.77
	C	08 08 88	LONGNOSE GAR	1	242	21.00	0.15
				2	248	22.00	0.14
			STRIPED SHINER	1	62	2.26	0.95
			ROSYFACE SHINER	1	53	0.94	0.63
			BLUNTNOSE MINNOW	1	54	1.45	0.92
				2	46	0.74	0.76
			QUILLBACK	1	382	908.00	1.63
				2	440	1135.00	1.33
			NORTHERN HOGSUCKER	1	356	544.80	1.21
			GOLDEN REDHORSE	1	243	908.00	6.33
				2	462	1475.50	1.50
				3	416	817.20	1.14
				4	294	320.00	1.26
				5	394	794.50	1.30
				6	180	66.00	1.13
				7	341	499.00	1.26
			SHORTHEAD REDHORSE	1	464	1225.80	1.23
			ROCK BASS	1	200	160.00	2.00
			LONGEAR SUNFISH	1	110	24.00	1.80
				2	105	26.00	2.25
				3	92	18.00	2.31
				4	126	43.00	2.15
				5	73	7.00	1.80
				6	117	32.00	2.00
			SMALLMOUTH BASS	1	85	9.00	1.47
				2	115	19.00	1.25
				3	90	8.00	1.10
				4	104	14.00	1.24
				5	78	8.00	1.69
				6	87	7.00	1.06
				7	81	6.96	1.31
				8	66	3.62	1.26
				9	66	3.55	1.23
				10	56	2.24	1.28
			LOGPERCH	1	84	1.00	0.17
				2	75	3.00	0.71
				3	75	3.75	0.89
				4	76	3.36	0.77
				5	72	3.15	0.84
				6	75	3.75	0.89
				7	69	2.69	0.82
				8	65	2.40	0.87
				9	55	1.24	0.75
			SLENDERHEAD DARTER	1	57	1.59	0.86
	D	08 11 88	STRIPED SHINER	1	55	1.77	1.06
			SPOTFIN SHINER	1	77	5.22	1.14
				2	69	3.29	1.00
			SILVER REDHORSE	1	75	4.86	1.15
			GOLDEN REDHORSE	1	435	794.50	0.97
				2	430	908.00	1.14
				3	348	567.50	1.35
			ROCK BASS	1	194	154.00	2.11
			LONGEAR SUNFISH	1	115	32.00	2.10
				2	112	30.00	2.14
				3	120	38.00	2.20
				4	116	33.00	2.11
				5	105	29.00	2.51
				6	67	8.00	2.66
			SMALLMOUTH BASS	1	105	12.00	1.04
				2	121	23.00	1.30
				3	111	18.00	1.32
				4	76	7.00	1.59
				5	97	9.00	0.99
				6	110	17.00	1.28
				7	99	12.00	1.24
				8	108	15.00	1.19
				9	86	7.00	1.10
				10	96	12.00	1.36
				11	90	10.76	1.48
				12	70	4.18	1.22
				13	70	4.50	1.31
				14	69	3.96	1.21
				15	68	3.98	1.27
5L	A	08 02 88	LONGNOSE GAR	1	273	22.00	0.11
				2	253	16.00	0.10
				3	293	27.00	0.11
				4	285	25.00	0.11
				5	323	42.00	0.12
				6	250	14.00	0.09
				7	228	9.00	0.08
			GIZZARD SHAD	1	264	218.00	1.18
				2	172	57.00	1.12
				3	178	67.00	1.19

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
				4	278	284.00	1.32
				5	113	15.00	1.04
				6	107	14.00	1.14
				7	95	6.00	0.70
				8	115	11.00	0.72
				9	112	13.00	0.93
				10	105	12.00	1.04
				11	170	50.00	1.02
				12	130	20.00	0.91
				13	118	14.00	0.85
				14	97	9.00	0.99
				15	104	8.00	0.71
				16	105	11.00	0.95
				17	106	15.00	1.26
				18	118	16.00	0.97
				19	92	7.00	0.90
				20	87	4.00	0.61
				21	100	14.00	1.40
				22	95	8.00	0.93
				23	100	8.00	0.80
				24	104	11.00	0.98
				25	119	15.00	0.89
				26	110	13.00	0.98
				27	100	7.00	0.70
				28	115	13.00	0.85
				29	125	21.00	1.08
				30	99	10.00	1.03
				31	116	16.00	1.03
				32	102	13.49	1.27
				33	106	13.96	1.17
				34	105	12.19	1.05
				35	98	10.45	1.11
				36	103	12.64	1.16
				37	92	8.03	1.03
				38	96	10.73	1.21
				39	90	8.73	1.20
				40	88	7.63	1.12
				41	95	8.95	1.04
				42	94	9.41	1.13
				43	91	8.30	1.10
				44	88	8.06	1.18
				45	88	8.26	1.21
				46	88	8.35	1.23
			CARP	1	320	567.00	1.73
				2	124	29.00	1.52
				3	143	44.00	1.50
				4	154	45.00	1.23
				5	116	22.00	1.41
				6	131	34.00	1.51
				7	147	42.00	1.32
				8	108	20.61	1.64
			GOLDEN SHINER	1	141	31.00	1.11
			SPOTFIN SHINER	1	103	11.85	1.08
			BULLHEAD MINNOW	1	55	1.64	0.99
				2	54	1.52	0.97
			SILVER REDHORSE	1	65	2.00	0.73
			ROCK BASS	1	192	152.00	2.15
				2	150	70.00	2.07
				3	174	110.00	2.09
				4	165	98.00	2.18
				5	88	11.00	1.61
			ORANGESPOTTED SUNFISH	1	66	5.23	1.82
				2	61	4.24	1.87
				3	60	3.79	1.75
			LONGEAR SUNFISH	1	55	3.00	1.80
				2	81	10.00	1.88
				3	106	22.00	1.85
				4	90	15.00	2.06
				5	76	8.00	1.82
				6	83	12.95	2.26
			SMALLMOUTH BASS	1	256	218.00	1.30
				2	76	9.00	2.05
				3	95	9.00	1.05
				4	70	5.00	1.46
				5	100	12.00	1.20
				6	90	10.00	1.37
				7	100	7.00	0.70
				8	88	10.00	1.47
				9	73	5.00	1.29
				10	121	21.00	1.19
				11	105	13.00	1.12
				12	98	11.00	1.17
				13	113	17.00	1.18
				14	98	11.14	1.18
				15	85	7.30	1.19
				16	82	6.96	1.26
				17	86	6.97	1.10
				18	76	5.85	1.33
				19	70	4.54	1.32
				20	84	7.26	1.22
				21	70	4.08	1.19
				22	75	4.43	1.05
				23	72	4.37	1.17

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
5L	A	08 02 88	SMALLMOUTH BASS	24	65	3.23	1.18
				25	62	2.79	1.17
				26	57	2.23	1.20
			LARGEMOUTH BASS	1	120	17.00	0.98
			LOGPERCH	1	70	2.81	0.82
			BLACKSIDE DARTER	1	64	2.20	0.84
				2	56	1.39	0.79
			SLENDERHEAD DARTER	1	77	3.00	0.66
				2	50	0.95	0.76
	B	08 05 88	LONGNOSE GAR	1	285	33.00	0.14
			GIZZARD SHAD	1	101	14.00	1.36
				2	102	13.00	1.23
				3	105	13.00	1.12
				4	108	12.00	0.95
				5	105	12.00	1.04
				6	106	13.00	1.09
				7	117	14.00	0.87
				8	100	12.00	1.20
				9	109	13.00	1.00
				10	105	13.00	1.12
				11	104	11.00	0.98
				12	100	11.00	1.10
				13	99	9.00	0.93
				14	95	13.00	1.52
				15	102	13.00	1.23
				16	101	12.00	1.16
				17	90	9.00	1.23
				18	102	13.00	1.23
				19	102	12.00	1.13
				20	91	7.00	0.93
				21	291	302.00	1.23
				22	270	237.00	1.20
				23	265	224.00	1.20
				24	276	276.00	1.31
				25	265	228.00	1.23
				26	175	57.00	1.06
				27	166	52.00	1.14
				28	134	26.00	1.08
				29	178	67.00	1.19
				30	112	17.00	1.21
				31	103	13.00	1.19
				32	112	14.00	1.00
				33	95	10.00	1.17
				34	101	11.00	1.07
				35	109	13.00	1.00
				36	96	10.00	1.13
				37	98	9.00	0.96
				38	99	8.00	0.82
				39	105	13.00	1.12
				40	136	27.00	1.07
				41	103	9.00	0.82
				42	107	12.00	0.98
				43	110	13.00	0.98
				44	100	10.00	1.00
				45	120	16.00	0.93
				46	97	8.00	0.88
				47	116	14.00	0.90
				48	119	16.00	0.95
				49	116	15.00	0.96
				50	87	6.00	0.91
				51	122	16.00	0.88
				52	105	12.00	1.04
				53	97	5.00	0.55
				54	104	12.00	1.07
				55	108	12.00	0.95
				56	77	4.00	0.88
				57	95	7.00	0.82
				58	107	12.00	0.98
				59	107	11.00	0.90
				60	100	11.00	1.10
				61	110	11.00	0.83
				62	115	12.00	0.79
				63	87	5.00	0.76
				64	121	12.00	0.68
				65	121	16.00	0.90
				66	105	13.00	1.12
				67	117	16.00	1.00
				68	108	12.00	0.95
				69	110	13.00	0.98
				70	100	10.00	1.00
				71	105	11.00	0.95
				72	108	11.00	0.87
				73	94	8.00	0.96
				75	103	11.57	1.06
				76	100	9.76	0.98
				77	103	10.46	0.96
				78	144	32.09	1.07
				79	112	16.15	1.15
				80	107	14.93	1.22
				81	112	15.25	1.09
				82	114	15.48	1.04
				83	106	12.73	1.07
				84	116	16.79	1.08
				85	113	13.55	0.94
				86	115	15.14	1.00
				87	118	15.13	0.92
				88	108	12.29	0.98

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
				89	116	15.05	0.96
				90	111	13.64	1.00
				91	112	12.93	0.92
				92	105	11.65	1.01
				93	103	12.42	1.14
				94	110	12.88	0.97
				95	105	11.61	1.00
				96	106	14.28	1.20
				97	96	9.15	1.03
				98	113	15.12	1.05
				99	115	15.77	1.04
				100	105	13.44	1.16
				101	100	9.15	0.91
				102	111	14.48	1.06
				103	102	11.43	1.08
				104	105	10.55	0.91
				105	110	13.52	1.02
				106	98	11.02	1.17
				107	110	12.51	0.94
				108	112	15.06	1.07
				109	98	9.91	1.05
				110	104	11.18	0.99
				111	111	14.17	1.04
				112	100	10.31	1.03
				113	131	22.06	0.98
				114	98	10.40	1.10
				115	102	11.40	1.07
				116	93	7.70	0.96
				117	78	4.81	1.01
				118	95	8.18	0.95
				119	114	15.04	1.02
				120	100	10.36	1.04
				121	105	11.85	1.02
				122	106	11.66	0.98
				123	96	10.12	1.14
				124	98	11.00	1.17
				125	114	15.78	1.07
				126	97	9.44	1.03
				127	100	10.66	1.07
				128	105	12.53	1.08
				129	101	10.00	0.97
				130	105	12.04	1.04
				131	100	10.77	1.08
				132	95	10.26	1.20
				133	99	8.75	0.90
				134	101	11.43	1.11
				135	85	6.65	1.08
				136	100	9.66	0.97
				137	100	10.53	1.05
				138	103	11.70	1.07
				139	87	7.63	1.16
				140	89	6.43	0.91
				141	111	14.16	1.04
				142	107	14.42	1.18
				143	109	13.89	1.07
				144	99	9.53	0.98
				145	96	9.74	1.10
				146	105	10.88	0.94
				147	102	9.89	0.93
				148	96	9.10	1.03
				149	91	7.15	0.95
				150	94	8.70	1.05
				151	92	8.32	1.07
				152	99	10.12	1.04
				153	94	8.42	1.01
				154	103	10.12	0.93
				155	87	6.59	1.00
				156	89	6.66	0.94
				157	86	6.31	0.99
				158	97	8.87	0.97
				159	94	8.22	0.99
				160	83	6.18	1.08
				161	90	7.03	0.96
				162	104	9.89	0.88
				163	103	11.43	1.05
				164	93	9.14	1.14
				165	108	13.42	1.07
				166	91	7.53	1.00
				167	91	8.40	1.11
				168	87	7.58	1.15
				169	83	6.67	1.17
				170	84	6.37	1.07
				171	80	5.18	1.01
				172	77	4.60	1.01
				173	83	6.16	1.08
				174	77	4.77	1.04
				175	80	5.18	1.01
				176	77	4.28	0.94
				177	75	3.89	0.92
				178	77	4.17	0.91
			CARP	1	197	110.00	1.44
				2	115	25.00	1.64
				3	174	85.00	1.61
				4	118	27.00	1.64
				5	119	23.00	1.36
				6	120	28.00	1.62
				7	125	26.00	1.33
				8	124	27.00	1.42

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
			GOLDEN SHINER	1	156	39.00	1.03
			STRIPED SHINER	1	64	2.56	0.98
				2	62	2.11	0.89
				3	62	2.17	0.91
				4	59	2.00	0.97
				5	42	0.74	1.00
				6	36	0.47	1.01
			SAND SHINER	1	38	0.60	1.09
			SUCKERMOUTH MINNOW	1	54	1.45	0.92
				2	46	0.97	1.00
			BLUNTNOSE MINNOW	1	78	5.23	1.10
				2	73	4.11	1.06
				3	74	4.23	1.04
				4	69	3.71	1.13
				5	71	3.53	0.99
				6	69	3.35	1.02
				7	59	1.98	0.96
				8	56	1.67	0.95
				9	57	1.65	0.89
				10	56	1.69	0.96
				11	56	1.55	0.88
				12	59	1.86	0.91
				13	58	1.69	0.87
				14	60	2.15	1.00
				15	55	1.57	0.94
				16	54	1.65	1.05
			BULLHEAD MINNOW	1	74	5.00	1.23
				2	67	3.20	1.06
				3	49	1.14	0.97
			QUILLBACK	1	87	12.00	1.82
				2	83	6.00	1.05
				3	66	4.00	1.39
				4	54	2.00	1.27
				5	80	6.00	1.17
			NORTHERN HOGSUCKER	1	365	512.00	1.05
			SMALLMOUTH BUFFALO	1	260	284.00	1.62
			SILVER REDHORSE	1	72	4.04	1.08
				2	65	3.04	1.11
				3	61	2.58	1.14
			GOLDEN REDHORSE	1	165	51.12	1.14
				2	177	65.52	1.18
			SHORTHEAD REDHORSE	1	205	98.31	1.14
				2	169	54.77	1.13
				3	65	3.23	1.18
				4	66	2.90	1.01
				5	58	2.10	1.08
			BROOK SILVERSIDE	1	65	1.24	0.45
				2	62	1.33	0.56
			ROCK BASS	1	186	132.00	2.05
				2	205	195.00	2.26
				3	167	96.00	2.06
				4	82	13.00	2.36
				5	55	3.05	1.83
			GREEN SUNFISH	1	126	52.00	2.60
			ORANGESPOTTED SUNFISH	1	74	7.00	1.73
				2	81	12.00	2.26
				3	75	9.00	2.13
				4	67	6.00	1.99
			LONGEAR SUNFISH	1	108	24.00	1.91
				2	62	4.00	1.68
			SMALLMOUTH BASS	1	97	10.00	1.10
				2	218	135.00	1.30
				3	101	9.00	0.87
				4	105	11.00	0.95
				5	92	13.00	1.67
				6	101	16.00	1.55
				7	115	19.60	1.29
				8	101	12.90	1.25
				9	106	14.57	1.22
				10	103	12.33	1.13
				11	99	11.10	1.14
				12	85	7.85	1.28
				13	87	8.50	1.29
				14	80	6.00	1.17
				15	70	4.40	1.28
				16	83	6.32	1.11
				17	90	8.75	1.20
				18	84	7.08	1.19
				19	85	7.87	1.28
				20	75	5.45	1.29
				21	78	5.44	1.15
				22	77	5.42	1.19
				23	70	4.53	1.32
				24	65	2.95	1.07
				25	85	6.90	1.12
				26	67	3.87	1.29
				27	68	3.45	1.10
				28	68	4.06	1.29
				29	74	4.75	1.17
				30	61	2.78	1.22
				31	68	3.66	1.16
			LOGPERCH	1	73	3.58	0.92
				2	76	3.95	0.90

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
5L	B	08 05 88	LOGPERCH	3	72	3.09	0.83
				4	72	2.91	0.78
				5	63	2.12	0.85
				6	67	2.48	0.82
				7	62	1.96	0.82
			BLACKSIDE DARTER	1	57	1.57	0.85
	C	08 08 88	LONGNOSE GAR	1	291	36.00	0.15
				2	237	21.00	0.16
			GIZZARD SHAD	1	362	681.00	1.44
				2	287	285.00	1.21
				3	271	262.00	1.32
				4	120	22.00	1.27
				5	102	13.00	1.23
				6	124	20.27	1.06
				7	120	17.32	1.00
				8	118	17.15	1.04
				9	161	43.50	1.04
				10	111	14.20	1.04
				11	116	15.79	1.01
				12	108	13.10	1.04
				13	111	14.63	1.07
				14	114	14.42	0.97
				15	115	15.92	1.05
				16	99	11.02	1.14
				17	110	14.35	1.08
				18	105	10.41	0.90
				19	120	17.91	1.04
				20	100	10.42	1.04
				21	123	20.42	1.10
				22	106	12.90	1.08
				23	116	17.29	1.11
				24	107	13.10	1.07
				25	110	14.31	1.08
				26	102	11.20	1.06
				27	111	14.59	1.07
				28	102	13.08	1.23
				29	106	13.25	1.11
				30	105	11.81	1.02
				31	111	14.16	1.04
				32	100	10.80	1.08
				33	100	10.33	1.03
				34	100	11.00	1.10
				35	101	11.81	1.15
				36	95	10.07	1.17
				37	100	10.94	1.09
				38	96	8.65	0.98
				39	100	10.76	1.08
				40	102	11.12	1.05
				41	111	14.07	1.03
				42	99	10.58	1.09
				43	99	11.62	1.20
				44	103	12.31	1.13
				45	103	12.25	1.12
				46	100	11.01	1.10
				47	101	11.75	1.14
				48	98	10.33	1.10
				49	99	10.28	1.06
				50	99	9.71	1.00
				51	98	9.32	0.99
				52	100	9.61	0.96
				53	98	9.10	0.97
				54	92	7.94	1.02
				55	92	8.25	1.06
				56	99	9.19	0.95
				57	93	7.65	0.95
				58	101	11.92	1.16
				59	98	10.45	1.11
				60	85	6.78	1.10
				61	94	8.43	1.01
				62	99	10.27	1.06
				63	101	11.26	1.09
				64	93	9.17	1.14
				65	94	8.73	1.05
				66	96	8.85	1.00
				67	88	6.96	1.02
				68	82	6.13	1.11
				69	84	6.04	1.02
				70	84	5.73	0.97
				71	81	5.73	1.08
				72	82	5.85	1.06
				73	80	5.10	1.00
				74	60	2.16	1.00
			CARP	1	164	69.00	1.56
				2	180	92.00	1.58
				3	160	66.00	1.61
				4	145	52.00	1.71
			ROSYFACE SHINER	1	50	0.92	0.74
				2	52	0.97	0.69
				3	49	0.88	0.75
			SPOTFIN SHINER	1	22	0.18	1.69
				2	21	0.16	1.73
			SAND SHINER	1	63	2.66	1.06
			BLUNTNOSE MINNOW	1	57	1.83	0.99
			BULLHEAD MINNOW	1	75	6.05	1.43
				2	74	5.14	1.27
				3	71	5.11	1.43
				4	57	1.94	1.05

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
			NORTHERN HOGSUCKER	1	409	681.00	1.00
			GOLDEN REDHORSE	1	60	2.08	0.96
			SHORTHEAD REDHORSE	1	74	4.50	1.11
			CHANNEL CATFISH	1	505	1180.40	0.92
			BROOK SILVERSIDE	1	67	1.45	0.48
				2	53	0.86	0.58
			ROCK BASS	1	168	92.00	1.94
				2	167	91.00	1.95
				3	85	16.00	2.61
			GREEN SUNFISH	1	81	12.40	2.33
			LONGEAR SUNFISH	1	113	33.00	2.29
				2	111	32.00	2.34
				3	95	21.00	2.45
				4	113	33.00	2.29
				5	93	21.00	2.61
				6	92	19.00	2.44
				7	70	6.74	1.97
			SMALLMOUTH BASS	1	306	388.00	1.35
				2	264	250.00	1.36
				3	89	11.00	1.56
				4	102	18.00	1.70
				5	74	8.00	1.97
				6	133	32.07	1.36
				7	110	15.87	1.19
				8	110	18.49	1.39
				9	109	16.46	1.27
				10	109	15.66	1.21
				11	102	13.52	1.27
				12	101	12.31	1.19
				13	100	12.31	1.23
				14	97	12.20	1.34
				15	97	11.95	1.31
				16	83	8.12	1.42
				17	99	11.00	1.13
				18	90	8.76	1.20
				19	95	11.71	1.37
				20	86	8.02	1.26
				21	83	8.14	1.42
				22	90	9.42	1.29
				23	87	9.31	1.41
				24	85	7.92	1.29
				25	81	7.26	1.37
				26	83	7.00	1.22
				27	81	6.90	1.30
				28	75	5.69	1.35
				29	76	5.95	1.36
				30	69	4.34	1.32
				31	77	5.51	1.21
				32	72	4.95	1.33
				33	74	4.80	1.18
				34	69	3.95	1.20
				35	73	5.11	1.31
				36	65	3.61	1.31
				37	72	5.34	1.43
				38	69	4.47	1.36
				39	70	4.58	1.34
				40	69	4.41	1.34
				41	70	4.31	1.26
				42	68	3.87	1.23
				43	64	3.27	1.25
				44	70	4.01	1.17
				45	66	3.69	1.28
				46	65	3.59	1.31
				47	64	3.52	1.34
				48	63	2.90	1.16
				49	64	3.22	1.23
			LOGPERCH	1	72	3.36	0.90
				2	71	3.37	0.94
				3	62	2.36	0.99
			BLACKSIDE DARTER	1	66	2.82	0.98
	D	08 11 88	LONGNOSE GAR	1	292	34.00	0.14
				2	298	36.00	0.14
				3	317	51.00	0.16
				4	289	45.00	0.19
				5	308	46.00	0.16
			GIZZARD SHAD	1	292	302.00	1.21
				2	106	11.00	0.92
				3	117	16.00	1.00
				4	72	1.00	0.27
				5	113	14.00	0.97
				6	121	20.00	1.13
				7	100	6.00	0.60
				8	88	3.00	0.44
				9	107	14.00	1.14
				10	110	8.00	0.60
				11	90	9.00	1.23
				12	111	18.00	1.32
				13	110	13.00	0.98
				14	101	15.00	1.46
				15	309	389.00	1.32
				16	116	17.00	1.09
				17	109	20.00	1.54
				18	114	18.00	1.21
				19	93	6.00	0.75
				20	102	10.00	0.94
				21	85	5.00	0.81
				22	105	8.00	0.69

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
				23	108	14.00	1.11
				24	117	15.95	1.00
				25	109	12.67	0.98
				26	92	7.83	1.01
				27	99	10.24	1.06
				28	105	12.63	1.09
				29	95	8.95	1.04
				30	115	14.42	0.95
				31	112	13.94	0.99
				32	100	10.58	1.06
				33	126	21.00	1.05
				34	108	12.64	1.00
				35	106	11.47	0.96
				36	104	11.66	1.04
				37	109	13.58	1.05
				38	113	15.42	1.07
				39	112	14.01	1.00
				40	94	7.80	0.94
				41	108	12.46	0.99
				42	94	8.75	1.05
				43	111	13.60	0.99
				44	101	12.09	1.17
				45	110	13.08	0.98
				46	97	9.88	1.08
				47	106	12.54	1.05
				48	93	9.17	1.14
				49	105	11.45	0.99
				50	97	9.01	0.99
				51	89	6.67	0.95
				52	96	8.55	0.97
				53	88	5.94	0.87
				54	106	12.25	1.03
				55	87	6.87	1.04
				56	86	6.72	1.06
				57	81	5.31	1.00
				58	93	7.91	0.98
				59	83	5.48	0.96
				60	83	5.30	0.93
				61	91	8.00	1.06
				62	94	8.15	0.98
				63	73	3.48	0.89
				64	101	10.70	1.04
				65	82	5.54	1.00
				66	82	5.16	0.94
				67	81	5.33	1.00
				68	82	5.14	0.93
				69	83	5.24	0.92
				70	79	4.48	0.91
				71	76	4.00	0.91
				72	81	4.39	0.83
				73	75	4.01	0.95
				74	74	3.37	0.83
				75	80	4.62	0.90
				76	84	5.62	0.95
				77	73	3.57	0.92
				78	76	4.06	0.92
				79	76	3.96	0.90
				80	85	5.64	0.92
				81	75	4.09	0.97
				82	72	3.18	0.85
				83	75	3.77	0.89
				84	72	3.61	0.97
				85	72	3.58	0.96
				86	74	4.13	1.02
				87	77	3.91	0.86
				88	80	5.02	0.98
				89	75	3.81	0.90
				90	74	3.61	0.89
				91	73	3.64	0.94
				92	71	3.56	0.99
				93	66	2.44	0.85
				94	72	3.36	0.90
				95	70	2.94	0.86
				96	68	2.72	0.87
				97	63	2.23	0.89
				98	70	3.11	0.91
				99	63	2.29	0.92
				100	56	1.68	0.96
				101	53	1.37	0.92
			CARP	1	154	56.00	1.53
				2	133	33.00	1.40
			ROSYFACE SHINER	1	52	0.97	0.69
			SPOTFIN SHINER	1	79	4.97	1.01
				2	74	4.24	1.05
				3	80	5.10	1.00
				4	79	4.31	0.87
			SUCKERMOUTH MINNOW	1	42	0.57	0.77
			BLUNTNOSE MINNOW	1	82	7.00	1.27
				2	65	2.55	0.93
				3	56	1.75	1.00
				4	55	1.67	1.00
				5	57	1.76	0.95
				6	59	1.70	0.83
				7	54	1.49	0.95

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
5L	D	08 11 88	BLUNTNOSE MINNOW	8	55	1.58	0.95
				9	54	1.41	0.90
				10	51	1.13	0.85
			BULLHEAD MINNOW	1	61	2.53	1.11
				2	63	2.63	1.05
				3	60	2.34	1.08
				4	50	1.34	1.07
			QUILLBACK	1	397	794.50	1.27
				2	69	4.00	1.22
				3	78	5.29	1.11
				4	71	4.21	1.18
				5	70	4.48	1.31
				6	70	4.00	1.17
				7	66	3.00	1.04
			SILVER REDHORSE	1	202	92.00	1.12
				2	74	4.55	1.12
				3	72	4.40	1.18
				4	70	3.92	1.14
			BLACK REDHORSE	1	73	4.38	1.13
			GOLDEN REDHORSE	1	169	58.00	1.20
				2	53	1.45	0.97
				3	54	1.53	0.97
			SHORTHEAD REDHORSE	1	93	8.79	1.09
				2	84	6.29	1.06
				3	81	4.97	0.94
				4	76	4.26	0.97
				5	74	4.35	1.07
				6	72	4.11	1.10
				7	72	4.02	1.08
				8	78	5.02	1.06
				9	66	3.08	1.07
				10	73	4.33	1.11
				11	73	3.74	0.96
				12	74	4.21	1.04
				13	71	3.68	1.03
				14	69	3.31	1.01
				15	73	3.81	0.98
				16	68	2.94	0.94
				17	72	3.97	1.06
				18	69	3.34	1.02
				19	68	3.05	0.97
				20	69	3.11	0.95
				21	62	2.40	1.01
				22	60	2.11	0.98
				23	62	2.30	0.97
			BROOK SILVERSIDE	1	59	0.92	0.45
				2	59	0.92	0.45
				3	49	0.46	0.39
				4	47	0.43	0.41
				5	47	0.43	0.41
			ROCK BASS	1	180	120.00	2.06
				2	182	123.00	2.04
			ORANGESPOTTED SUNFISH	1	62	3.00	1.26
				2	85	12.00	1.95
				3	75	9.70	2.30
			LONGEAR SUNFISH	1	106	29.00	2.43
				2	79	9.00	1.83
				3	110	31.00	2.33
				4	85	12.00	1.95
				5	110	26.00	1.95
				6	45	1.49	1.64
			SMALLMOUTH BASS	1	111	20.00	1.46
				2	75	3.00	0.71
				3	86	8.00	1.26
				4	110	13.00	0.98
				5	99	10.00	1.03
				6	105	14.00	1.21
				7	100	13.00	1.30
				8	93	1.00	0.12
				9	82	6.53	1.18
				10	87	7.63	1.16
				11	78	5.47	1.15
				12	74	4.61	1.14
				13	73	4.86	1.25
				14	72	4.69	1.26
				15	70	4.23	1.23
				16	75	4.77	1.13
				17	67	3.84	1.28
				18	72	4.29	1.15
				19	67	3.47	1.15
				20	68	4.30	1.37
				21	67	3.36	1.12
				22	62	2.69	1.13
			LOGPERCH	1	73	3.43	0.88
				2	74	3.44	0.85
				3	68	2.77	0.88
				4	67	2.49	0.83
				5	68	2.38	0.76
				6	63	2.19	0.88
				7	61	1.67	0.74
				8	56	1.36	0.77
5R	A	08 02 88	LONGNOSE GAR	1	251	17.00	0.11
				2	275	19.00	0.09
				3	290	26.00	0.11

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
			GIZZARD SHAD	1	110	12.00	0.90
				2	96	10.33	1.17
			CARP	1	112	19.00	1.35
				2	689	4653.50	1.42
			HORNYHEAD CHUB	1	64	2.63	1.00
			STRIPED SHINER	1	65	2.87	1.05
				2	64	2.68	1.02
				3	62	2.38	1.00
			SPOTFIN SHINER	1	80	5.00	0.98
				2	76	4.48	1.02
				3	56	1.58	0.90
				4	57	1.73	0.93
				5	54	1.33	0.84
				6	48	0.95	0.86
			SUCKERMOUTH MINNOW	1	52	1.36	0.97
			BLUNTNOSE MINNOW	1	64	2.51	0.96
				2	53	1.52	1.02
				3	40	0.53	0.83
			BULLHEAD MINNOW	1	81	6.22	1.17
			QUILLBACK	1	429	998.80	1.27
				2	392	862.60	1.43
			SILVER REDHORSE	1	64	2.86	1.09
			ROCK BASS	1	183	132.00	2.15
				2	185	123.00	1.94
				3	193	133.00	1.85
				4	91	15.00	1.99
			GREEN SUNFISH	1	136	50.00	1.99
				2	136	51.00	2.03
			ORANGESPOTTED SUNFISH	1	86	10.00	1.57
				2	74	5.00	1.23
				3	70	7.00	2.04
				4	89	18.00	2.55
				5	70	6.66	1.94
			LONGEAR SUNFISH	1	77	7.00	1.53
				2	74	8.00	1.97
				3	74	7.00	1.73
				4	105	22.00	1.90
			SMALLMOUTH BASS	1	92	10.42	1.34
				2	87	8.70	1.32
				3	93	8.84	1.10
				4	86	7.74	1.22
				5	79	6.44	1.31
			LARGEMOUTH BASS	1	108	24.00	1.91
			JOHNNY DARTER	1	35	0.40	0.93
	B	08 05 88	LONGNOSE GAR	1	285	30.00	0.13
				2	276	24.00	0.11
				3	267	20.00	0.11
			GIZZARD SHAD	1	375	908.00	1.72
				2	340	726.40	1.85
				3	105	12.00	1.04
				4	110	12.00	0.90
				5	102	10.00	0.94
				6	113	11.00	0.76
				7	118	14.00	0.85
				8	106	10.00	0.84
				9	110	10.00	0.75
				10	135	27.83	1.13
				11	113	16.20	1.12
				12	111	15.80	1.16
			CARP	1	159	59.00	1.47
				2	177	89.00	1.60
				3	160	55.00	1.34
				4	148	40.00	1.23
				5	123	22.00	1.18
			HORNYHEAD CHUB	1	55	1.99	1.20
				2	55	1.85	1.11
			STRIPED SHINER	1	63	2.61	1.04
				2	62	2.47	1.04
				3	57	1.89	1.02
				4	52	1.37	0.97
				5	46	1.02	1.05
				6	47	0.96	0.92
				7	47	1.06	1.02
				8	40	0.65	1.02
				9	36	0.52	1.11
			SPOTFIN SHINER	1	58	1.92	0.98
			MIMIC SHINER	1	64	2.64	1.01
			BLUNTNOSE MINNOW	1	61	2.34	1.03
				2	58	1.82	0.93
				3	60	2.06	0.95
				4	58	1.82	0.93
				5	53	1.45	0.97
				6	44	0.75	0.88
			QUILLBACK	1	70	3.00	0.87
				2	154	33.00	0.90
			SILVER REDHORSE	1	177	58.00	1.05
				2	63	2.00	0.80
				3	68	3.68	1.17
			SHORTHEAD REDHORSE	1	77	2.00	0.44
			BROOK SILVERSIDE	1	69	1.46	0.44
			ROCK BASS	1	183	124.00	2.02
				2	100	16.00	1.60
				3	55	3.49	2.10
			GREEN SUNFISH	1	135	42.00	1.71
				2	135	35.00	1.42
			ORANGESPOTTED SUNFISH	1	87	10.00	1.52
				2	92	10.00	1.28
				3	82	5.00	0.91

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
				4	72	8.00	2.14
				5	75	9.00	2.13
				6	77	10.00	2.19
				7	82	10.00	1.81
				8	91	13.00	1.73
			LONGEAR SUNFISH	1	109	25.00	1.93
				2	66	8.00	2.78
				3	105	23.00	1.99
				4	67	6.22	2.07
			SMALLMOUTH BASS	1	291	339.00	1.38
				2	287	335.00	1.42
				3	320	525.00	1.60
				4	230	161.00	1.32
				5	86	5.00	0.79
				6	96	10.00	1.13
				7	133	23.00	0.98
				8	98	10.00	1.06
				9	103	11.00	1.01
				10	76	3.00	0.68
				11	83	6.91	1.21
				12	82	6.61	1.20
				13	61	2.80	1.23
			LARGEMOUTH BASS	1	266	118.00	0.63
				2	276	345.00	1.64
				3	132	21.00	0.91
			LOGPERCH	1	71	2.93	0.82
	C	08 08 88	LONGNOSE GAR	1	252	23.00	0.14
				2	298	36.00	0.14
				3	346	66.00	0.16
				4	267	21.00	0.11
				5	290	33.00	0.14
			GIZZARD SHAD	1	117	15.00	0.94
				2	309	345.00	1.17
				3	111	14.00	1.02
				4	107	14.00	1.14
				5	116	14.00	0.90
				6	91	9.00	1.19
				7	115	18.00	1.18
				8	120	17.00	0.98
				9	92	7.00	0.90
				10	110	14.00	1.05
				11	90	8.00	1.10
				12	106	11.00	0.92
				13	111	14.00	1.02
				14	91	5.00	0.66
				15	112	15.36	1.09
				16	99	8.64	0.89
				17	80	4.90	0.96
			CARP	1	191	111.00	1.59
				2	234	216.00	1.69
				3	146	50.00	1.61
				4	165	62.00	1.38
				5	198	116.00	1.49
				6	154	52.00	1.42
				7	157	53.00	1.37
			HORNYHEAD CHUB	1	53	1.71	1.15
				2	53	1.48	0.99
				3	49	1.36	1.16
				4	44	1.00	1.17
			STRIPED SHINER	1	70	3.92	1.14
				2	65	2.73	0.99
				3	65	2.63	0.96
				4	66	2.78	0.97
				5	61	2.35	1.04
				6	60	2.25	1.04
				7	59	1.92	0.93
				8	53	1.42	0.95
				9	60	2.09	0.97
				10	58	1.79	0.92
				11	56	1.67	0.95
				12	56	1.53	0.87
				13	51	1.17	0.88
				14	54	1.29	0.82
				15	49	1.03	0.88
				16	50	1.09	0.87
				17	48	1.02	0.92
				18	47	0.88	0.85
				19	45	0.77	0.84
				20	38	0.48	0.87
				21	39	0.48	0.81
				22	40	0.48	0.75
				23	37	0.42	0.83
				24	29	0.22	0.90
			SPOTFIN SHINER	1	76	4.13	0.94
				2	68	2.94	0.94
				3	67	2.70	0.90
			SAND SHINER	1	38	0.41	0.75
			BLUNTNOSE MINNOW	1	46	0.85	0.87
				2	55	1.44	0.87
				3	50	1.06	0.85
				4	44	0.71	0.83
				5	21	0.04	0.43
				6	62	2.02	0.85
			BULLHEAD MINNOW	1	67	3.29	1.09
			SMALLMOUTH BUFFALO	1	100	10.00	1.00
				2	80	6.73	1.31

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
5R	C	08 08 88	SILVER REDHORSE	1	64	3.26	1.24
				2	62	2.62	1.10
			GOLDEN REDHORSE	1	355	508.00	1.14
				2	74	4.00	0.99
			SHORTHEAD REDHORSE	1	80	5.32	1.04
				2	73	3.96	1.02
				3	73	3.93	1.01
				4	71	3.71	1.04
				5	69	3.23	0.98
			BLACKSTRIPE TOPMINNOW	1	48	1.14	1.03
			ROCK BASS	1	182	125.00	2.07
				2	195	152.00	2.05
				3	106	24.00	2.02
				4	85	11.00	1.79
			GREEN SUNFISH	1	80	6.00	1.17
			ORANGESPOTTED SUNFISH	1	97	16.00	1.75
				2	94	14.00	1.69
				3	85	11.00	1.79
				4	70	7.00	2.04
				5	81	12.00	2.26
				6	87	12.00	1.82
				7	85	11.00	1.79
				8	86	13.00	2.04
			BLUEGILL	1	132	48.00	2.09
			LONGEAR SUNFISH	1	75	9.00	2.13
				2	82	13.00	2.36
				3	75	8.00	1.90
				4	96	18.00	2.03
				5	83	11.00	1.92
				6	72	6.00	1.61
				7	93	15.00	1.86
				8	85	12.00	1.95
				9	80	9.00	1.76
				10	65	5.00	1.82
				11	70	6.00	1.75
				12	80	11.00	2.15
				13	85	11.00	1.79
				14	85	14.00	2.28
				15	84	12.00	2.02
				16	108	26.00	2.06
				17	72	7.00	1.88
				18	80	10.00	1.95
				19	56	3.40	1.94
			GREEN X LONGEAR SUNFISH	1	150	64.00	1.90
			SMALLMOUTH BASS	1	242	192.00	1.35
				2	122	18.00	0.99
				3	90	7.00	0.96
				4	77	6.00	1.31
				5	73	5.00	1.29
				6	80	5.00	0.98
				7	86	6.00	0.94
				8	102	11.00	1.04
				9	112	14.00	1.00
				10	95	10.00	1.17
				11	84	7.18	1.21
				12	90	8.40	1.15
				13	83	7.38	1.29
				14	66	3.61	1.26
				15	60	2.59	1.20
			LARGEMOUTH BASS	1	130	24.00	1.09
				2	99	10.00	1.03
				3	87	8.00	1.21
			JOHNNY DARTER	1	34	0.32	0.81
			LOGPERCH	1	78	6.00	1.26
				2	90	6.00	0.82
				3	71	3.06	0.85
				4	68	2.94	0.94
	D	08 11 88	GIZZARD SHAD	1	115	14.00	0.92
				2	112	14.00	1.00
				3	106	9.00	0.76
			STRIPED SHINER	1	64	2.58	0.98
				2	57	1.78	0.96
				3	56	1.41	0.80
				4	56	1.58	0.90
				5	54	1.43	0.91
				6	50	1.00	0.80
				7	49	1.07	0.91
				8	50	1.07	0.86
				9	47	0.82	0.79
			ROSYFACE SHINER	1	50	0.90	0.72
				2	43	0.51	0.64
				3	47	0.65	0.63
				4	50	0.78	0.62
			SPOTFIN SHINER	1	67	2.64	0.88
				2	61	2.11	0.93
				3	63	2.28	0.91
				4	59	1.86	0.91
				5	56	1.26	0.72
				6	55	1.53	0.92
			SAND SHINER	1	59	1.79	0.87
				2	59	1.76	0.86
			MIMIC SHINER	1	55	1.29	0.78
			BLUNTNOSE MINNOW	1	54	1.34	0.85
				2	51	1.07	0.81

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
			QUILLBACK	1	416	862.60	1.20
			GOLDEN REDHORSE	1	325	435.00	1.27
			STONECAT	1	162	28.00	0.66
			ROCK BASS	1	39	1.08	1.82
			SMALLMOUTH BASS	1	255	200.00	1.21
				2	116	16.00	1.03
				3	111	17.00	1.24
				4	68	4.08	1.30
6L	A	08 02 88	LONGNOSE GAR	1	340	54.00	0.14
			GIZZARD SHAD	1	291	298.00	1.21
				2	289	289.00	1.20
			ROSYFACE SHINER	1	56	1.05	0.60
				2	45	0.43	0.47
				3	41	0.34	0.49
				4	35	0.20	0.47
			SPOTFIN SHINER	1	75	4.05	0.96
			BLUNTNOSE MINNOW	1	79	5.92	1.20
			QUILLBACK	1	335	499.40	1.33
				2	345	590.00	1.44
			GOLDEN REDHORSE	1	398	681.00	1.08
			ROCK BASS	1	211	211.00	2.25
				1	92	15.71	2.02
				2	175	114.00	2.13
				2	50	2.36	1.89
				3	190	143.00	2.08
				3	48	2.03	1.84
				4	181	120.00	2.02
				4	42	1.53	2.07
				5	205	190.00	2.21
				6	181	112.00	1.89
				7	189	140.00	2.07
				8	188	133.00	2.00
				9	165	91.00	2.03
				10	170	101.00	2.06
				11	176	103.00	1.89
				12	190	143.00	2.08
				13	168	93.00	1.96
				14	195	153.00	2.06
			LONGEAR SUNFISH	1	95	18.00	2.10
			SMALLMOUTH BASS	1	187	80.00	1.22
				2	113	21.00	1.46
				3	182	73.00	1.21
				4	106	14.00	1.18
				5	120	22.00	1.27
				6	115	20.00	1.32
				7	105	16.00	1.38
				8	115	16.00	1.05
				9	102	12.00	1.13
				10	103	13.00	1.19
				11	112	16.00	1.14
				12	112	19.00	1.35
				13	105	16.00	1.38
				14	112	18.22	1.30
				15	122	26.78	1.47
				16	99	12.47	1.29
				17	82	6.77	1.23
				18	87	8.10	1.23
				19	87	8.18	1.24
				20	85	7.50	1.22
				21	86	7.35	1.16
				22	79	5.76	1.17
				23	68	3.75	1.19
				24	71	3.82	1.07
				25	80	6.14	1.20
				26	63	2.80	1.12
				27	70	4.03	1.17
				28	65	3.13	1.14
				29	61	2.65	1.17
				30	64	3.00	1.14
				31	65	3.29	1.20
				32	66	3.56	1.24
				33	62	2.97	1.25
				34	62	3.22	1.35
				35	65	3.36	1.22
				36	66	3.25	1.13
				37	64	3.12	1.19
				38	60	2.67	1.24
				39	67	3.45	1.15
				40	61	2.80	1.23
				41	60	2.77	1.28
				42	59	2.52	1.23
	B	08 05 88	LONGNOSE GAR	1	351	65.00	0.15
				2	299	24.00	0.09
			GIZZARD SHAD	1	276	254.00	1.21
				2	266	363.00	1.93
				3	281	408.60	1.84
			STRIPED SHINER	1	66	2.72	0.95
				2	71	3.28	0.92
				3	64	2.32	0.89
				4	68	2.94	0.94
				5	58	1.56	0.80
				6	61	1.86	0.82
				7	61	1.97	0.87
				8	57	1.47	0.79
				9	50	1.04	0.83
			SPOTFIN SHINER	1	83	5.62	0.98
				2	63	2.39	0.96
				3	67	2.65	0.88

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
			BLUNTNOSE MINNOW	1	70	3.23	0.94
				2	77	4.43	0.97
				3	70	3.32	0.97
				4	61	1.86	0.82
				5	65	2.55	0.93
				6	62	1.78	0.75
				7	58	1.73	0.89
				8	61	1.93	0.85
				9	61	1.86	0.82
				10	59	1.66	0.81
				11	58	1.59	0.81
				12	56	1.36	0.77
				13	55	1.37	0.82
			QUILLBACK	1	350	567.50	1.32
				2	335	567.50	1.51
				3	362	681.00	1.44
			SILVER REDHORSE	1	189	79.00	1.17
			GOLDEN REDHORSE	1	400	771.80	1.21
				2	311	337.00	1.12
				3	350	522.10	1.22
				4	390	681.00	1.15
				5	161	40.00	0.96
				6	242	132.00	0.93
				7	322	339.00	1.02
				8	434	908.00	1.11
				9	336	454.00	1.20
				10	325	350.00	1.02
				11	171	50.00	1.00
				12	168	48.00	1.01
				13	134	22.00	0.91
				14	175	52.00	0.97
				15	160	47.00	1.15
				16	175	53.00	0.99
				17	165	44.00	0.98
				17	175	63.90	1.19
				18	157	43.96	1.14
				19	143	35.89	1.23
			SHORTHEAD REDHORSE	1	204	73.00	0.86
				2	197	63.00	0.82
				3	191	75.00	1.08
				4	84	5.74	0.97
			BROOK SILVERSIDE	1	59	0.87	0.42
				2	52	0.68	0.48
			ROCK BASS	1	189	143.00	2.12
				2	181	115.00	1.94
				3	200	148.00	1.85
				4	166	93.00	2.03
				5	168	93.00	1.96
				6	217	250.00	2.45
				7	174	103.00	1.96
				8	173	96.00	1.85
				9	165	81.00	1.80
				10	190	35.00	0.51
				11	194	160.00	2.19
				12	160	81.00	1.98
				13	162	82.00	1.93
				14	176	107.00	1.96
				15	186	132.00	2.05
				16	170	97.00	1.97
				17	163	83.00	1.92
				18	52	2.62	1.86
			ORANGESPOTTED SUNFISH	1	128	20.00	0.95
				2	85	15.00	2.44
			LONGEAR SUNFISH	1	81	12.00	2.26
				2	88	12.00	1.76
				3	70	5.00	1.46
				4	117	32.00	2.00
				4	75	10.00	2.37
			SMALLMOUTH BASS	1	365	653.70	1.34
				2	265	271.00	1.46
				3	237	163.00	1.22
				4	260	228.00	1.30
				5	260	254.00	1.45
				6	221	135.00	1.25
				7	90	8.00	1.10
				8	280	275.00	1.25
				9	267	273.00	1.43
				10	113	18.00	1.25
				11	234	172.00	1.34
				12	111	15.00	1.10
				13	110	17.00	1.28
				14	84	9.00	1.52
				15	119	17.00	1.01
				16	95	10.00	1.17
				17	104	10.00	0.89
				18	105	12.00	1.04
				19	105	13.00	1.12
				20	65	2.00	0.73
				21	110	13.00	0.98
				22	86	8.00	1.26
				23	111	13.00	0.95
				24	110	14.00	1.05
				25	80	7.00	1.37
				26	122	22.52	1.24
				27	98	9.41	1.00
				28	99	10.77	1.11

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
6L	B	08 05 88	SMALLMOUTH BASS	29	86	7.31	1.15
				30	83	5.69	1.00
				31	78	6.00	1.26
				32	75	5.16	1.22
				33	70	4.34	1.27
				34	65	3.26	1.19
				35	66	3.24	1.13
				36	67	3.28	1.09
				37	65	3.45	1.26
				38	63	2.92	1.17
				39	68	3.48	1.11
				40	65	3.00	1.09
				41	63	2.90	1.16
			LOGPERCH	1	64	2.25	0.86
				2	64	2.08	0.79
	C	08 08 88	GIZZARD SHAD	1	275	271.00	1.30
				2	329	390.00	1.10
				3	182	70.00	1.16
				4	97	8.00	0.88
				5	105	12.00	1.04
				6	102	13.00	1.23
				7	85	7.00	1.14
				8	87	5.00	0.76
				9	120	14.00	0.81
				10	90	7.00	0.96
				11	110	11.00	0.83
				12	179	63.00	1.10
				13	130	19.00	0.86
				14	93	6.00	0.75
				15	90	8.00	1.10
				16	90	10.00	1.37
				17	91	8.00	1.06
				18	105	10.00	0.86
				19	111	12.00	0.88
				20	89	6.00	0.85
				21	80	5.00	0.98
				22	96	8.00	0.90
				23	85	6.00	0.98
				24	108	11.00	0.87
				25	95	11.00	1.28
				26	114	13.00	0.88
				27	91	5.00	0.66
				28	100	8.00	0.80
				29	91	5.00	0.66
				30	90	8.00	1.10
				31	87	7.00	1.06
				32	117	15.00	0.94
				33	99	10.00	1.03
				34	98	8.00	0.85
				35	100	8.00	0.80
				36	89	9.00	1.28
				37	87	7.00	1.06
				38	97	9.00	0.99
				39	96	8.00	0.90
				40	120	17.00	0.98
				41	94	8.00	0.96
				42	93	8.00	0.99
				43	88	8.00	1.17
				44	107	12.00	0.98
				45	169	57.20	1.19
				46	117	16.38	1.02
				47	111	15.29	1.12
				48	113	14.64	1.01
				49	110	13.19	0.99
				50	111	15.43	1.13
				51	130	22.50	1.02
				52	107	12.70	1.04
				53	107	13.38	1.09
				54	118	15.96	0.97
				55	111	13.64	1.00
				56	104	13.40	1.19
				57	103	11.97	1.10
				58	109	13.36	1.03
				59	106	12.64	1.06
				60	112	13.56	0.97
				61	101	11.74	1.14
				62	103	12.13	1.11
				63	106	13.72	1.15
				64	111	15.11	1.10
				65	97	9.12	1.00
				66	110	13.03	0.98
				67	97	10.81	1.18
				68	95	9.40	1.10
				69	112	13.80	0.98
				70	111	14.67	1.07
				71	101	10.11	0.98
				72	111	14.34	1.05
				73	101	11.25	1.09
				74	100	10.78	1.08
				75	97	8.75	0.96
				76	97	9.13	1.00
				77	91	8.23	1.09
				78	95	9.31	1.09
				79	103	11.11	1.02
				80	105	12.38	1.07
				81	97	8.60	0.94

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
				82	97	8.52	0.93
				83	96	7.80	0.88
				84	92	8.20	1.05
				85	92	8.03	1.03
				86	92	7.14	0.92
				87	95	8.40	0.98
				88	89	6.15	0.87
				89	92	8.45	1.09
				90	96	8.24	0.93
				91	92	7.10	0.91
				92	93	7.32	0.91
				93	95	9.27	1.08
				94	90	7.35	1.01
				95	95	7.23	0.84
				96	92	7.56	0.97
				97	86	5.61	0.88
				98	88	7.19	1.06
				99	84	5.21	0.88
				100	84	6.24	1.05
				101	83	5.37	0.94
				102	88	5.91	0.87
				103	87	6.68	1.01
				104	76	5.06	1.15
				105	97	8.43	0.92
				106	77	4.69	1.03
				107	79	4.25	0.86
				108	84	5.50	0.93
				109	76	4.34	0.99
				110	78	4.54	0.96
				111	82	4.72	0.86
				112	70	3.38	0.99
				113	74	3.72	0.92
			CARP	1	177	82.00	1.48
				2	183	91.00	1.48
				3	180	97.00	1.66
				4	162	69.00	1.62
				5	168	68.00	1.43
			STRIPED SHINER	1	110	14.00	1.05
				2	75	4.56	1.08
				3	76	4.50	1.03
			ROSYFACE SHINER	1	53	0.87	0.58
				2	52	0.86	0.61
				3	54	0.98	0.62
				4	50	0.70	0.56
				5	54	0.93	0.59
				6	52	0.85	0.60
				7	51	0.87	0.66
				8	52	0.90	0.64
				9	48	0.77	0.70
				10	52	0.82	0.58
				11	53	0.95	0.64
				12	49	0.72	0.61
				13	50	0.72	0.58
				14	48	0.68	0.61
				15	46	0.59	0.61
				16	43	0.49	0.62
				17	35	0.24	0.56
			SPOTFIN SHINER	1	52	1.29	0.92
			REDFIN SHINER	1	37	0.32	0.63
				2	33	0.21	0.58
			BLUNTNOSE MINNOW	1	71	3.80	1.06
				2	66	2.71	0.94
				3	65	2.56	0.93
				4	62	2.34	0.98
				5	57	1.75	0.94
				6	57	1.68	0.91
				7	58	1.72	0.88
				8	57	1.52	0.82
			QUILLBACK	1	370	635.60	1.25
				2	372	794.50	1.54
			NORTHERN HOGSUCKER	1	353	468.00	1.06
				2	351	479.00	1.11
				3	83	5.82	1.02
			RIVER REDHORSE	1	325	396.00	1.15
				2	341	424.00	1.07
			GOLDEN REDHORSE	1	290	279.00	1.14
				2	177	58.00	1.05
				3	327	347.00	0.99
				4	416	771.80	1.07
				5	262	187.00	1.04
				6	175	63.00	1.18
				7	171	64.70	1.29
				8	176	64.65	1.19
				9	155	43.76	1.18
				10	161	53.76	1.29
			SHORTHEAD REDHORSE	1	387	525.00	0.91
				2	355	440.00	0.98
				3	182	60.00	1.00
				4	195	93.04	1.25
				5	189	67.75	1.00
				6	172	52.43	1.03
				7	180	66.34	1.14
				8	168	52.94	1.12
				9	165	55.55	1.24
				10	83	6.38	1.12

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
			ROCK BASS	1	200	158.00	1.97
				2	176	105.00	1.93
				3	225	241.00	2.12
				4	210	199.00	2.15
				5	176	97.00	1.78
				6	200	153.00	1.91
				7	187	126.00	1.93
				8	168	95.00	2.00
				9	186	127.00	1.97
				10	177	115.00	2.07
				11	190	133.00	1.94
				12	162	90.00	2.12
				13	162	82.00	1.93
				14	177	96.00	1.73
			ORANGESPOTTED SUNFISH	1	96	15.00	1.70
			LONGEAR SUNFISH	1	120	42.00	2.43
				2	91	13.00	1.73
			SMALLMOUTH BASS	1	257	248.00	1.46
				2	305	330.00	1.16
				3	260	199.00	1.13
				4	248	201.00	1.32
				5	113	15.00	1.04
				6	252	215.00	1.34
				7	263	246.00	1.35
				8	216	127.00	1.26
				9	260	229.00	1.30
				10	249	212.00	1.37
				11	128	27.00	1.29
				12	103	14.00	1.28
				13	120	19.00	1.10
				14	90	5.00	0.69
				15	109	14.13	1.09
				16	106	15.49	1.30
				17	113	18.07	1.25
				18	108	16.45	1.31
				19	104	12.63	1.12
				20	110	17.29	1.30
				21	107	16.23	1.32
				22	104	13.69	1.22
				23	100	11.80	1.18
				24	91	10.29	1.37
				25	102	11.25	1.06
				26	87	7.38	1.12
				27	90	8.49	1.16
				28	92	10.05	1.29
				29	91	7.51	1.00
				30	85	7.11	1.16
				31	78	5.56	1.17
				32	70	4.29	1.25
				33	82	7.00	1.27
				34	74	4.27	1.05
				35	65	3.15	1.15
				36	62	2.55	1.07
				37	69	4.31	1.31
				38	69	4.14	1.26
				39	68	4.54	1.44
				40	68	3.63	1.15
				41	66	2.98	1.04
				42	67	3.53	1.17
				43	68	3.79	1.21
				44	67	3.50	1.16
				45	60	2.31	1.07
			LOGPERCH	1	89	6.07	0.86
				2	74	3.51	0.87
				3	66	2.33	0.81
			SLENDERHEAD DARTER	1	53	1.29	0.87
0	08	11 88	GIZZARD SHAD	1	317	374.00	1.17
				2	125	22.00	1.13
				3	151	32.00	0.93
				4	118	17.00	1.03
				5	120	19.00	1.10
				6	105	12.00	1.04
				7	116	16.00	1.03
				8	161	33.00	0.79
				9	120	14.00	0.81
				10	107	11.00	0.90
				11	107	11.00	0.90
				12	135	21.00	0.85
				13	115	12.00	0.79
				14	194	80.00	1.10
				15	122	21.00	1.16
				16	185	70.00	1.11
				17	126	21.00	1.05
				18	182	71.00	1.18
				19	118	16.00	0.97
				20	101	10.00	0.97
				21	102	11.00	1.04
				22	110	11.00	0.83
				23	92	8.00	1.03
				24	111	13.00	0.95
				25	115	14.00	0.92
				26	104	14.00	1.24
				27	100	11.00	1.10
				28	120	15.00	0.87
				29	112	12.00	0.85
				30	115	15.00	0.99
				31	107	12.00	0.98

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
6L	D	08 11 88	GIZZARD SHAD	32	108	16.00	1.27
				33	96	10.00	1.13
				34	113	15.00	1.04
				35	112	15.02	1.07
				36	124	19.56	1.03
				37	120	17.37	1.01
				38	121	18.52	1.05
				39	105	12.27	1.06
				40	104	11.12	0.99
				41	93	8.51	1.06
			CARP	1	203	127.00	1.52
				2	190	104.00	1.52
			ROSYFACE SHINER	1	55	1.11	0.67
				2	56	1.19	0.68
				3	52	0.97	0.69
				4	50	0.85	0.68
				5	51	0.91	0.69
				6	50	0.85	0.68
				7	47	0.67	0.65
			BLUNTNOSE MINNOW	1	66	2.98	1.04
			QUILLBACK	1	263	794.50	4.37
				2	363	681.00	1.42
				3	406	1021.50	1.53
			NORTHERN HOGSUCKER	1	326	380.00	1.10
			SILVER REDHORSE	1	187	78.00	1.19
			RIVER REDHORSE	1	330	408.00	1.14
				2	332	392.00	1.07
				3	348	460.00	1.09
			GOLDEN REDHORSE	1	441	1021.50	1.19
				2	192	75.00	1.06
				3	318	370.00	1.15
				4	183	72.00	1.17
				5	261	196.00	1.10
				6	210	122.00	1.32
				7	172	61.00	1.20
				8	169	64.00	1.33
			SHORTHEAD REDHORSE	1	78	5.55	1.17
			BROOK SILVERSIDE	1	65	1.26	0.46
			ROCK BASS	1	220	200.00	1.88
				2	195	152.00	2.05
				3	190	160.00	2.33
				4	162	90.00	2.12
				5	190	158.00	2.30
			GREEN SUNFISH	1	105	22.00	1.90
			LONGEAR SUNFISH	1	92	15.00	1.93
			SMALLMOUTH BASS	1	344	681.00	1.67
				2	287	292.00	1.24
				3	260	242.00	1.38
				4	127	27.00	1.32
				5	68	5.00	1.59
				6	107	15.00	1.22
				7	175	65.00	1.21
				8	115	18.00	1.18
				9	142	31.00	1.08
				10	100	15.00	1.50
				11	111	13.00	0.95
				12	105	9.00	0.78
				13	282	308.00	1.37
				14	177	63.00	1.14
				15	264	101.00	0.55
				16	110	14.00	1.05
				17	100	11.00	1.10
				18	100	11.00	1.10
				19	92	10.00	1.28
				20	115	19.39	1.27
				21	122	26.05	1.43
				22	95	11.65	1.36
				23	92	10.34	1.33
				24	72	4.37	1.17
				25	74	5.31	1.31
				26	72	4.87	1.30
				27	67	3.76	1.25
				28	67	3.59	1.19
				29	61	2.63	1.16
				30	68	3.76	1.20
			BANDED DARTER	1	40	0.59	0.92
			LOGPERCH	1	65	2.51	0.91
6R	A	08 02 88	GIZZARD SHAD	1	359	567.50	1.23
			CARP	1	184	96.00	1.54
			BLUNTNOSE MINNOW	1	55	1.40	0.84
			QUILLBACK	1	398	771.80	1.22
			GOLDEN REDHORSE	1	404	681.00	1.03
				2	172	59.00	1.16
				3	180	58.00	0.99
				4	164	50.00	1.13
				5	166	48.00	1.05
			SHORTHEAD REDHORSE	1	335	424.00	1.13
				2	185	65.00	1.03
				3	178	60.00	1.06
			ROCK BASS	1	179	124.00	2.16
			SMALLMOUTH BASS	1	108	17.00	1.35
				2	87	7.00	1.06
				3	87	8.20	1.25
				4	72	4.87	1.30
				5	70	4.20	1.22

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
	B	08 05 88	GIZZARD SHAD	1	89	7.00	0.99
				2	96	8.00	0.90
				3	95	10.00	1.17
				4	105	15.00	1.30
				5	116	17.00	1.09
				6	103	11.00	1.01
				7	108	13.00	1.03
				8	97	10.00	1.10
				9	104	11.38	1.01
				10	93	8.00	0.99
			STRIPED SHINER	1	59	1.89	0.92
			ROSYFACE SHINER	1	54	1.09	0.69
			QUILLBACK	1	385	908.00	1.59
				2	354	658.30	1.48
			SILVER REDHORSE	1	154	42.00	1.15
				2	179	62.00	1.08
			GOLDEN REDHORSE	1	170	51.00	1.04
			SHORTHEAD REDHORSE	1	336	359.00	0.95
				2	183	56.00	0.91
			BROOK SILVERSIDE	1	58	1.01	0.52
			ROCK BASS	1	189	115.00	1.70
				2	210	183.00	1.98
				3	173	107.00	2.07
				4	165	88.00	1.96
			LONGEAR SUNFISH	1	97	16.82	1.84
			SMALLMOUTH BASS	1	291	385.00	1.56
				2	90	10.00	1.37
				3	99	12.00	1.24
				4	105	14.00	1.21
				5	105	14.00	1.21
				6	110	15.91	1.20
				7	76	5.25	1.20
				8	71	4.25	1.19
	C	08 08 88	LONGNOSE GAR	1	300	34.00	0.13
				2	311	42.00	0.14
			GIZZARD SHAD	1	172	51.00	1.00
				2	97	9.00	0.99
				3	82	4.00	0.73
				4	104	9.00	0.80
				5	107	11.00	0.90
				6	86	6.40	1.01
			CARP	1	198	111.00	1.43
				2	202	111.00	1.35
				3	160	61.00	1.49
			STRIPED SHINER	1	40	0.68	1.06
			SPOTFIN SHINER	1	67	2.90	0.96
			BLUNTNOSE MINNOW	1	82	5.00	0.91
				1	73	3.88	1.00
				2	75	5.00	1.19
				2	52	1.37	0.97
			QUILLBACK	1	70	4.50	1.31
			GOLDEN REDHORSE	1	181	67.00	1.13
			ROCK BASS	1	178	113.00	2.00
			LONGEAR SUNFISH	1	108	28.00	2.22
				2	101	22.00	2.14
				3	130	50.00	2.28
				4	102	24.00	2.26
				5	105	29.00	2.51
				6	75	9.00	2.13
				7	112	33.00	2.35
				8	103	21.00	1.92
				9	120	39.00	2.26
				10	111	30.00	2.19
				11	90	12.00	1.65
				12	111	30.00	2.19
				13	106	29.00	2.43
				14	115	32.00	2.10
				15	98	22.00	2.34
				16	88	12.00	1.76
				17	110	27.00	2.03
				18	90	15.00	2.06
			SMALLMOUTH BASS	1	90	11.00	1.51
				2	106	12.00	1.01
				3	123	20.00	1.07
				4	80	5.00	0.98
				5	93	7.00	0.87
				6	85	5.00	0.81
				7	81	6.00	1.13
				8	86	8.00	1.26
				9	106	11.00	0.92
				10	80	8.00	1.56
				11	109	15.00	1.16
				12	108	12.00	0.95
				13	97	10.00	1.10
				14	89	10.92	1.55
				15	60	2.72	1.26
	D	08 11 88	GIZZARD SHAD	1	311	368.00	1.22
				2	293	254.00	1.01
				3	111	14.00	1.02
				4	108	11.00	0.87
				5	86	6.00	0.94
				6	109	12.00	0.93
				7	116	13.00	0.83
				8	115	12.00	0.79
				9	113	14.00	0.97
				10	111	12.00	0.88
				11	111	12.00	0.88
				12	112	11.00	0.78
				13	97	8.00	0.88

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
				14	115	14.00	0.92
				15	124	17.00	0.89
				16	110	12.36	0.93
				17	83	5.73	1.00
				18	76	3.89	0.89
			CARP	1	173	79.00	1.53
				2	177	78.00	1.41
			ROSYFACE SHINER	1	62	1.73	0.73
				2	53	0.98	0.66
				3	56	1.01	0.58
				4	52	0.97	0.69
				5	53	0.93	0.62
				6	41	0.39	0.57
			SPOTFIN SHINER	1	76	4.75	1.08
				2	61	2.28	1.00
			SAND SHINER	1	54	1.31	0.83
			SUCKERMOUTH MINNOW	1	45	0.76	0.83
			BLUNTNOSE MINNOW	1	71	3.93	1.10
				2	70	3.60	1.05
				3	65	2.55	0.93
				4	59	1.96	0.95
				5	58	1.65	0.85
				6	56	1.62	0.92
				7	57	1.68	0.91
			NORTHERN HOGSUCKER	1	274	288.00	1.40
				2	91	8.53	1.13
				3	83	6.39	1.12
			GOLDEN REDHORSE	1	172	58.00	1.14
				2	171	49.00	0.98
				3	175	59.00	1.10
				4	189	74.00	1.10
				5	167	51.00	1.10
				6	56	1.81	1.03
				7	51	1.30	0.98
				8	52	1.41	1.00
				9	51	1.18	0.89
			SHORTHEAD REDHORSE	1	185	64.00	1.01
				2	183	70.00	1.14
			BROOK SILVERSIDE	1	58	0.88	0.45
				2	55	0.74	0.44
			ROCK BASS	1	177	116.00	2.09
			LONGEAR SUNFISH	1	102	25.00	2.36
				2	111	30.00	2.19
				3	90	14.00	1.92
				4	117	35.00	2.19
				5	98	20.00	2.12
				6	104	24.00	2.13
				7	75	7.00	1.66
				8	80	10.00	1.95
				9	96	17.00	1.92
			SMALLMOUTH BASS	1	191	83.00	1.19
				2	142	34.00	1.19
				3	109	16.00	1.24
				4	106	13.00	1.09
				5	100	13.00	1.30
				6	103	12.00	1.10
				7	114	17.00	1.15
				8	84	6.00	1.01
				9	119	20.00	1.19
				10	65	3.14	1.14
				11	101	12.43	1.21
				12	83	6.83	1.19
				13	75	4.98	1.18
				14	75	4.95	1.17
				15	71	4.37	1.22
				16	64	3.10	1.18
				17	65	3.30	1.20
				18	68	3.67	1.17
			LOGPERCH	1	72	3.32	0.89
			SLENDERHEAD DARTER	1	46	0.73	0.75

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1988

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
1L	A	08 01 88	ROCK BASS	1	82	12.74	2.31
				2	37	1.09	2.15
			SMALLMOUTH BASS	1	80	7.87	1.54
				2	69	4.31	1.31
				3	68	3.29	1.05
				4	62	3.34	1.40
				5	64	4.04	1.54
				6	57	2.41	1.30
				7	62	3.33	1.40
				8	56	2.43	1.38
				9	52	1.66	1.18
				10	56	2.36	1.34
				11	56	2.32	1.32
	B		BLACKSTRIPE TOPMINNOW	1	38	0.50	0.91
				2	30	0.26	0.96
			ROCK BASS	1	46	2.19	2.25
			GREEN SUNFISH	1	98	24.56	2.61
			SMALLMOUTH BASS	1	92	11.21	1.44
				2	80	7.90	1.54
				3	76	6.35	1.45
				4	69	4.71	1.43
				5	66	4.37	1.52
				6	62	3.30	1.38
				7	53	2.14	1.44
	C	08 09 88	ROCK BASS	1	55	3.45	2.07
				2	47	2.14	2.06
			GREEN SUNFISH	1	77	11.25	2.46
				2	76	9.65	2.20
			SMALLMOUTH BASS	1	70	4.73	1.38
				2	69	4.04	1.23
				3	73	4.82	1.24
				4	70	4.42	1.29
				5	66	3.80	1.32
				6	64	3.57	1.36
				7	65	3.58	1.30
	D		BROOK SILVERSIDE	1	44	0.44	0.52
			ROCK BASS	1	53	3.11	2.09
				2	39	1.28	2.16
			GREEN SUNFISH	1	101	21.10	2.05
			LONGEAR SUNFISH	1	109	27.18	2.10
				2	84	13.80	2.33
				3	81	10.17	1.91
				4	80	10.95	2.14
				5	73	8.34	2.14
			SMALLMOUTH BASS	1	110	17.07	1.28
				2	104	13.84	1.23
				3	110	15.66	1.18
				4	92	10.58	1.36
				5	90	7.97	1.09
				6	90	9.09	1.25
				7	87	8.09	1.23
				8	77	6.18	1.35
				9	75	4.90	1.16
				10	73	4.94	1.27
				11	74	4.85	1.20
				12	73	4.62	1.19
				13	69	3.67	1.12
				14	68	3.56	1.13
				15	66	3.40	1.18
				16	62	2.83	1.19
				17	62	2.97	1.25
1R	A	08 01 88	LONGNOSE GAR	1	225	13.93	0.12
				2	211	13.23	0.14
			SPOTFIN SHINER	1	73	4.21	1.08
				2	62	2.41	1.01
				3	57	1.80	0.97
			REDFIN SHINER	1	54	1.26	0.80
			QUILLBACK	1	83	7.63	1.33
				2	80	6.89	1.35
			BLACKSTRIPE TOPMINNOW	1	30	0.22	0.81
			ROCK BASS	1	50	2.68	2.14
				2	36	1.00	2.14
				3	40	1.30	2.03
				4	34	0.75	1.91
				5	35	0.80	1.87
				6	22	0.18	1.69
			LONGEAR SUNFISH	1	98	22.44	2.38
				2	95	18.07	2.11
				3	93	18.57	2.31
				4	96	19.68	2.22
				5	19	0.10	1.46
			SMALLMOUTH BASS	1	86	7.81	1.23
				2	80	6.95	1.36
				3	66	3.44	1.20
				4	68	3.90	1.24
				5	61	2.97	1.31
				6	70	4.63	1.35
				7	65	3.24	1.18
				8	66	3.74	1.30
				9	59	2.57	1.25
				10	54	2.05	1.30
	B		HORNYHEAD CHUB	1	46	1.07	1.10
			SPOTFIN SHINER	1	62	2.67	1.12

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
			ROCK BASS	1	97	16.00	1.75
				2	92	14.00	1.80
				3	95	15.46	1.80
				4	80	9.02	1.76
				5	35	10.34	1.68
				6	50	2.67	2.14
				7	54	2.77	1.76
				8	47	1.93	1.86
				9	50	2.25	1.80
				10	43	1.45	1.82
				11	48	2.10	1.90
				12	40	0.98	1.53
				13	34	0.61	1.55
				14	24	0.29	2.10
				15	21	0.20	2.16
			ORANGESPOTTED SUNFISH	1	76	6.85	1.56
			LONGEAR SUNFISH	1	98	15.85	1.68
				2	80	10.45	2.04
				3	82	11.65	2.11
				4	73	7.69	1.98
				5	76	7.79	1.77
				6	77	9.42	2.06
				7	80	9.19	1.79
				8	70	5.84	1.70
				9	73	7.25	1.86
				10	67	5.64	1.88
				11	65	4.87	1.77
				12	60	3.98	1.84
			SMALLMOUTH BASS	1	98	10.79	1.15
				2	95	10.19	1.19
				3	96	10.98	1.24
				4	87	6.84	1.04
				5	75	5.03	1.19
				6	75	5.25	1.24
				7	71	4.27	1.19
				8	61	2.86	1.26
				9	63	2.97	1.19
				10	65	3.21	1.17
				11	65	3.28	1.19
				12	66	3.33	1.16
				13	62	2.67	1.12
				14	57	2.30	1.24
			BANDED DARTER	1	40	0.44	0.69
			LOGPERCH	1	67	2.48	0.82
				2	58	1.44	0.74
	C	08 09 88	BLUNTNOSE MINNOW	1	82	6.45	1.17
				2	74	4.85	1.20
				3	73	4.09	1.05
				4	72	4.06	1.09
				5	68	3.48	1.11
			BROOK SILVERSIDE	1	62	1.07	0.45
				2	59	0.91	0.44
				3	63	1.23	0.49
				4	61	1.03	0.45
				5	59	0.95	0.46
				6	58	0.84	0.43
				7	56	0.77	0.44
				8	52	0.58	0.41
			ROCK BASS	1	58	4.11	2.11
				2	57	3.40	1.84
				3	39	1.18	1.99
				4	26	0.36	2.05
			LONGEAR SUNFISH	1	91	18.36	2.44
				2	73	8.52	2.19
				3	29	0.44	1.80
				4	27	0.32	1.63
				5	22	0.20	1.88
				6	19	0.18	2.62
				7	20	0.18	2.25
				8	16	0.09	2.20
			SMALLMOUTH BASS	1	92	9.83	1.26
				2	72	4.46	1.19
				3	70	4.50	1.31
				4	76	5.67	1.29
				5	72	4.72	1.26
				6	72	4.54	1.22
				7	65	3.17	1.15
			SLENDERHEAD DARTER	1	40	0.41	0.64
	D		ROSYFACE SHINER	1	50	0.83	0.66
				2	54	0.93	0.59
				3	51	0.86	0.65
				4	51	0.90	0.68
				5	61	1.61	0.71
				6	50	0.89	0.71
				7	51	0.89	0.67
				8	49	0.86	0.73
				9	49	0.86	0.73

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
1R	D	08 09 88	ROSYFACE SHINER	10	50	0.74	0.59
				11	50	0.80	0.64
				12	53	1.09	0.73
				13	51	0.76	0.57
				14	49	0.81	0.69
				15	51	0.91	0.69
				16	50	0.79	0.63
				17	51	0.92	0.69
				18	50	0.82	0.66
				19	50	0.85	0.68
				20	51	0.85	0.64
				21	47	0.68	0.65
				22	46	0.66	0.68
				23	47	0.74	0.71
				24	42	0.49	0.66
				25	44	0.63	0.74
				26	46	0.56	0.58
				27	40	0.45	0.70
				28	40	0.45	0.70
				29	42	0.49	0.66
				30	42	0.47	0.63
				31	40	0.42	0.66
				32	17	0.07	1.42
				33	15	0.04	1.19
			BLUNTNOSE MINNOW	1	71	4.14	1.16
				2	76	4.85	1.10
				3	73	3.98	1.02
				4	74	4.10	1.01
			NORTHERN HOGSUCKER	1	95	9.25	1.08
			BROOK SILVERSIDE	1	62	1.08	0.45
				2	63	1.11	0.44
				3	61	1.07	0.47
				4	67	1.33	0.44
				5	60	0.92	0.43
				6	63	1.20	0.48
				7	65	1.30	0.47
				8	58	0.94	0.48
				9	61	1.07	0.47
				10	60	1.10	0.51
				11	60	0.98	0.45
				12	58	0.91	0.47
				13	57	0.79	0.43
				14	55	0.83	0.50
				15	57	0.85	0.46
				16	53	0.67	0.45
				17	50	0.56	0.45
				18	52	0.68	0.48
			LONGEAR SUNFISH	1	75	8.65	2.05
				2	76	8.96	2.04
				3	66	6.67	2.32
			SMALLMOUTH BASS	1	114	18.90	1.28
				2	107	15.20	1.24
				3	101	13.00	1.26
				4	88	7.62	1.12
				5	85	7.12	1.16
				6	79	6.38	1.29
				7	82	6.47	1.17
				8	73	4.80	1.23
				9	70	4.05	1.18
				10	68	3.76	1.20
				11	69	3.71	1.13
				12	69	4.02	1.22
				13	65	3.52	1.28
				14	65	3.16	1.15
2	A	08 01 88	REDFIN SHINER	1	55	1.39	0.84
				2	55	1.31	0.79
				3	54	1.36	0.86
				4	55	1.63	0.98
				5	57	1.50	0.81
				6	52	1.24	0.88
				7	58	1.51	0.77
				8	54	1.35	0.86
				9	49	0.94	0.80
				10	53	1.25	0.84
				11	55	1.18	0.71
				12	50	1.07	0.86
				13	51	1.07	0.81
				14	50	0.97	0.78
				15	52	1.22	0.87
				16	55	1.36	0.82
				17	53	1.22	0.82
				18	50	0.98	0.78
				19	52	1.11	0.79
				20	51	1.13	0.85
				21	54	1.36	0.86
				22	47	0.92	0.89
				23	48	0.85	0.77
				24	46	0.78	0.80
				25	53	1.10	0.74
				26	57	1.48	0.80
				27	53	1.17	0.79
				28	51	1.10	0.83
				29	48	0.91	0.82
				30	48	0.81	0.73

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
				31	49	0.85	0.72
				32	49	0.95	0.81
				33	50	0.93	0.74
				34	51	0.96	0.72
				35	47	0.88	0.85
				36	45	0.66	0.72
				37	48	0.94	0.85
				38	55	1.42	0.85
				39	52	1.23	0.87
				40	50	1.14	0.91
				41	49	0.74	0.63
				42	51	1.09	0.82
				43	53	1.12	0.75
				44	53	1.02	0.69
				45	48	0.87	0.79
				46	52	1.04	0.74
				47	50	0.83	0.66
				48	49	0.88	0.75
				49	50	1.09	0.87
				50	50	0.87	0.70
				51	49	1.00	0.85
				52	46	0.77	0.79
				53	49	0.79	0.67
				54	53	1.17	0.79
				55	48	0.81	0.73
				56	48	0.94	0.85
				57	45	0.71	0.78
				58	52	1.00	0.71
				59	48	0.91	0.82
				60	48	0.72	0.65
				61	46	0.70	0.72
				62	46	0.68	0.70
				63	47	0.90	0.87
			LONGEAR SUNFISH	1	107	30.45	2.49
				2	101	28.62	2.78
			GREEN SUNFISH X BLUEGILL	1	143	75.91	2.60
			SMALLMOUTH BASS	1	77	6.44	1.41
				2	80	7.85	1.53
				3	60	3.12	1.44
				4	66	4.01	1.39
				5	72	5.07	1.36
				6	73	5.02	1.29
				7	63	3.57	1.43
				8	57	2.62	1.41
				9	55	2.54	1.53
				10	59	2.77	1.35
				11	54	2.31	1.47
	8		GOLDEN REDHORSE	1	71	4.22	1.18
				2	61	2.61	1.15
			LONGEAR SUNFISH	1	88	16.70	2.45
			SMALLMOUTH BASS	1	65	4.27	1.55
				2	72	5.91	1.58
				3	66	4.64	1.61
				4	60	3.11	1.44
				5	65	3.81	1.39
				6	61	3.18	1.40
				7	55	2.49	1.50
				8	63	3.26	1.30
				9	60	3.11	1.44
				10	58	2.77	1.42
				11	55	2.45	1.47
				12	65	3.82	1.39
				13	63	2.41	0.96
			JOHNNY DARTER	1	34	0.37	0.94
	C	08 09 88	BLACKSTRIPE TOPMINNOW	1	35	0.27	0.63
			SMALLMOUTH BASS	1	97	11.24	1.23
				2	82	7.42	1.35
				3	69	4.39	1.34
				4	66	4.25	1.48
				5	65	3.65	1.33
				6	57	2.65	1.43
				7	65	3.65	1.33
				8	60	2.75	1.27
				9	49	1.44	1.22
			BLACKSIDE DARTER	1	60	2.20	1.02
	D		SPOTFIN SHINER	1	48	0.89	0.80
			BROOK SILVERSIDE	1	57	0.90	0.49
				2	51	0.64	0.48
				3	41	0.36	0.52
			ROCK BASS	1	215	180.00	1.81
				2	130	25.00	1.14
			GREEN SUNFISH	1	107	24.05	1.96
				2	102	24.59	2.32
			LONGEAR SUNFISH	1	76	10.07	2.29
				2	69	6.83	2.08
				3	61	4.78	2.11
				4	65	6.05	2.20
				5	22	0.21	1.97
				6	23	0.20	1.64
				7	20	0.15	1.87
			SMALLMOUTH BASS	1	75	5.16	1.22
				2	65	3.69	1.34
				3	62	3.91	1.64
				4	62	3.40	1.43
				5	65	3.74	1.36
				6	61	3.23	1.42
				7	53	2.11	1.42

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
			JOHNNY DARTER	1	52	1.32	0.94
				1	40	0.47	0.73
				2	46	0.77	0.79
				2	45	0.52	0.57
				3	39	0.51	0.86
				4	34	0.38	0.97
				5	33	0.31	0.86
				6	30	0.22	0.81
			BLACKSIDE DARTER	1	55	1.98	1.19
				2	60	2.25	1.04
3L	A	08 01 88	BLACKSTRIPE TOPMINNOW	1	33	0.32	0.89
				2	30	0.24	0.89
				3	24	0.12	0.87
			LONGEAR SUNFISH	1	105	31.71	2.74
			SMALLMOUTH BASS	1	74	5.64	1.39
				2	84	8.56	1.44
				3	86	8.37	1.32
				4	73	5.23	1.34
				5	78	6.51	1.37
				6	73	5.37	1.38
				7	65	3.67	1.34
				8	65	3.78	1.38
				9	68	4.10	1.30
				10	63	3.02	1.21
				11	62	2.98	1.25
			GRASS PICKEREL	1	138	14.84	0.56
			BLUNTNOSE MINNOW	1	71	3.69	1.03
				2	61	2.15	0.95
			BLACKSTRIPE TOPMINNOW	1	42	0.77	1.04
				2	33	0.32	0.89
				3	31	0.27	0.91
			ROCK BASS	1	85	13.96	2.27
				2	84	12.26	2.07
				3	78	9.44	1.99
				4	45	1.78	1.95
			LONGEAR SUNFISH	1	97	23.35	2.56
				2	80	11.42	2.23
				3	90	16.17	2.22
				4	72	9.06	2.43
				5	70	6.87	2.00
				6	66	6.22	2.16
				7	65	6.19	2.25
				8	63	5.66	2.26
				9	64	5.32	2.03
				10	33	0.61	1.70
			SMALLMOUTH BASS	1	105	15.05	1.30
				2	103	12.42	1.14
				3	61	2.81	1.24
			BLACK CRAPPIE	1	83	7.29	1.27
	C	08 09 88	GRASS PICKEREL	1	120	13.50	0.78
			BLACKSTRIPE TOPMINNOW	1	55	1.47	0.88
				2	55	1.48	0.89
				3	60	2.25	1.04
				4	60	2.23	1.03
			ROCK BASS	1	50	2.62	2.10
				2	52	2.61	1.86
				3	212	179.00	1.88
			LONGEAR SUNFISH	1	111	31.55	2.31
				2	106	32.84	2.76
				3	76	9.59	2.18
				4	72	7.25	1.94
				5	62	4.59	1.93
			SMALLMOUTH BASS	1	90	9.75	1.34
				2	96	10.49	1.19
				3	85	6.79	1.11
				4	87	8.31	1.26
				5	87	7.82	1.19
				6	80	5.67	1.11
				7	74	4.88	1.20
				8	70	4.35	1.27
				9	66	3.88	1.35
				10	75	5.10	1.21
				11	73	4.90	1.26
				12	72	4.30	1.15
				13	71	4.33	1.21
				14	67	3.82	1.27
				15	66	3.55	1.23
				16	65	2.98	1.09
			BLACKSIDE DARTER	1	67	2.38	0.79
	D		STRIPED SHINER	1	75	4.30	1.02
				2	72	4.12	1.10
			BLACKSTRIPE TOPMINNOW	1	31	0.23	0.77
				2	21	0.07	0.76
				3	19	0.07	1.02
			ROCK BASS	1	101	19.36	1.88
				2	83	10.41	1.82
				3	80	9.36	1.83
				4	72	7.19	1.93
				5	60	3.88	1.80
				6	55	3.26	1.96
				7	54	3.03	1.92
				8	48	2.10	1.90
				9	47	2.03	1.96
				10	45	1.91	2.10
				11	28	0.41	1.87
			LONGEAR SUNFISH	1	108	30.12	2.39
				2	87	15.54	2.36

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
3L	D	08 09 88	LONGEAR SUNFISH	3	85	13.34	2.17
				4	82	12.93	2.35
				5	69	6.29	1.91
				6	31	0.52	1.75
				7	28	0.38	1.73
			SMALLMOUTH BASS	1	100	13.76	1.38
				2	83	6.96	1.22
				3	82	7.09	1.29
				4	86	7.57	1.19
				5	73	4.79	1.23
				6	73	4.57	1.17
				7	72	4.50	1.21
				8	68	3.67	1.17
				9	68	3.67	1.17
				10	63	3.30	1.32
				11	65	3.40	1.24
3R	A	08 01 88	ROCK BASS	1	50	2.79	2.23
			SMALLMOUTH BASS	1	78	6.31	1.33
				2	64	3.50	1.34
				3	68	4.38	1.39
				4	60	2.75	1.27
				5	60	2.97	1.37
				6	63	3.25	1.30
				7	61	3.26	1.44
				8	57	2.41	1.30
				9	60	2.64	1.22
			BLACKSIDE DARTER	1	62	2.29	0.96
	B		SPOTFIN SHINER	1	79	5.03	1.02
			ROCK BASS	1	45	2.05	2.25
			GREEN SUNFISH	1	71	7.75	2.17
			LONGEAR SUNFISH	1	59	4.78	2.33
			LARGEMOUTH BASS	1	51	1.81	1.36
			JOHNNY DARTER	1	39	0.50	0.84
				2	36	0.42	0.90
				3	35	0.40	0.93
	C	08 09 88	HORNYHEAD CHUB	1	35	0.47	1.10
			STRIPED SHINER	1	54	1.56	0.99
			SPOTFIN SHINER	1	57	1.88	1.02
				2	54	1.39	0.88
				3	54	1.33	0.84
				4	48	0.93	0.84
			BLUNTNOSE MINNOW	1	56	1.69	0.96
			ROCK BASS	1	54	3.16	2.01
				2	47	2.11	2.03
			ORANGESPOTTED SUNFISH	1	20	0.09	1.12
			LONGEAR SUNFISH	1	75	9.69	2.30
			SMALLMOUTH BASS	1	107	16.70	1.36
				2	97	12.68	1.39
				3	100	14.01	1.40
				4	98	11.63	1.24
				5	96	11.17	1.26
				6	81	7.48	1.41
				7	82	7.77	1.41
				8	70	4.55	1.33
				9	64	3.60	1.37
			JOHNNY DARTER	1	54	1.09	0.69
			LOGPERCH	1	69	2.81	0.86
				2	53	1.32	0.89
	D		STRIPED SHINER	1	63	2.54	1.02
			ROCK BASS	1	48	2.26	2.04
			GREEN SUNFISH	1	107	27.59	2.25
				2	102	24.03	2.26
			LONGEAR SUNFISH	1	102	27.89	2.63
				2	108	31.65	2.51
				3	101	24.84	2.41
				4	84	13.09	2.21
				5	82	12.75	2.31
				6	66	6.35	2.21
				7	70	7.06	2.06
				8	67	6.34	2.11
				9	63	5.61	2.24
				10	65	5.46	1.99
				11	63	5.12	2.05
				12	61	4.09	1.80
			SMALLMOUTH BASS	1	99	11.95	1.23
				2	92	10.23	1.31
				3	83	6.96	1.22
				4	88	8.69	1.28
				5	83	7.85	1.37
				6	76	6.03	1.37
				7	78	6.13	1.29
				8	71	5.35	1.49
				9	70	4.79	1.40
				10	65	3.49	1.27
				11	64	3.35	1.28
				12	65	3.24	1.18
			LARGEMOUTH BASS	1	59	2.56	1.25
			JOHNNY DARTER	1	35	0.38	0.89
4L	A	08 01 88	BLACKSTRIPE TOPMINNOW	1	45	0.82	0.90
				2	42	0.64	0.86
				3	35	0.32	0.75
			BLUEGILL	1	35	0.56	1.31

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
			LONGEAR SUNFISH	1	116	39.01	2.50
				2	32	0.53	1.62
				3	23	0.13	1.07
				4	17	0.03	0.61
			SMALLMOUTH BASS	1	72	5.05	1.35
				2	76	6.26	1.43
				3	80	6.26	1.22
				4	72	4.69	1.26
				5	86	8.40	1.32
				6	67	4.40	1.46
				7	63	3.25	1.30
				8	58	2.48	1.27
				9	59	2.50	1.22
	B		BLACKSTRIPE TOPMINNOW	1	65	2.79	1.02
				2	60	2.24	1.04
				3	65	2.74	1.00
				4	43	0.67	0.84
				5	48	1.04	0.94
				6	44	0.77	0.90
				7	43	0.65	0.82
				8	44	0.75	0.88
				9	41	0.58	0.84
				10	45	0.77	0.84
				11	43	0.69	0.87
				12	42	0.65	0.88
				13	38	0.48	0.87
				14	43	0.67	0.84
				15	35	0.36	0.84
				16	34	0.27	0.69
				17	35	0.31	0.72
				18	29	0.17	0.70
			LONGEAR SUNFISH	1	107	29.57	2.41
			SMALLMOUTH BASS	1	99	13.59	1.40
				2	90	11.03	1.51
				3	70	4.62	1.35
				4	75	5.80	1.37
				5	67	4.03	1.34
				6	71	4.45	1.24
				7	68	3.92	1.25
				8	65	3.54	1.29
				9	59	2.69	1.31
	C	08 09 88	STRIPED SHINER	1	37	0.38	0.75
			SPOTFIN SHINER	1	30	0.20	0.74
				2	26	0.14	0.80
			BLUNTNOSE MINNOW	1	41	0.60	0.87
			BLACKSTRIPE TOPMINNOW	1	45	0.93	1.02
				2	38	0.53	0.97
				3	30	0.27	1.00
				4	30	0.23	0.85
			ROCK BASS	1	125	37.70	1.93
				2	55	3.51	2.11
			GREEN SUNFISH	1	87	14.68	2.23
			LONGEAR SUNFISH	1	96	22.26	2.52
			SMALLMOUTH BASS	1	98	12.93	1.37
				2	69	4.26	1.30
				3	72	4.57	1.22
				4	68	3.83	1.22
	D		BLACKSTRIPE TOPMINNOW	1	50	1.07	0.86
				2	60	2.24	1.04
			ORANGESPOTTED SUNFISH	1	75	6.65	1.58
				2	80	7.00	1.37
			LONGEAR SUNFISH	1	84	12.90	2.18
				2	82	12.16	2.21
				3	82	12.90	2.34
				4	78	10.45	2.20
				5	70	7.95	2.32
				6	70	7.07	2.06
				7	66	5.77	2.01
			SMALLMOUTH BASS	1	92	11.32	1.45
				2	89	8.22	1.17
				3	74	4.83	1.19
				4	77	5.09	1.11
				5	74	5.55	1.37
				6	78	5.96	1.26
				7	76	5.49	1.25
				8	66	3.66	1.27
4R	A	08 01 88	ROSYFACE SHINER	1	57	1.02	0.55
				2	56	1.06	0.60
				3	57	1.15	0.62
				4	53	0.81	0.54
				5	56	1.02	0.58
				6	66	1.87	0.65
				7	56	1.03	0.59
				8	52	0.91	0.65
				9	54	0.89	0.57
				10	56	1.00	0.57
				11	52	0.82	0.58
				12	53	0.89	0.60

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
4R	A	08 01 88	ROSYFACE SHINER	13	56	0.94	0.54
				14	55	1.15	0.69
				15	57	1.08	0.58
				16	58	1.25	0.64
				17	53	0.81	0.54
				18	52	0.75	0.53
				19	56	1.14	0.65
				20	54	0.89	0.57
				21	55	1.04	0.63
				22	56	0.91	0.52
				23	59	1.26	0.61
				24	53	0.75	0.50
				25	58	1.20	0.62
				26	52	0.96	0.68
				27	54	0.88	0.56
				28	52	0.89	0.63
				29	55	0.97	0.58
				30	50	0.82	0.66
				31	56	1.09	0.62
				32	51	0.79	0.60
				33	47	0.71	0.68
				34	53	1.09	0.73
				35	56	1.15	0.65
				36	55	1.19	0.72
				37	58	1.22	0.63
				38	49	0.66	0.56
				39	51	0.72	0.54
				40	59	1.36	0.66
				41	51	0.86	0.65
				42	53	0.90	0.60
				43	56	1.09	0.62
				44	55	1.06	0.64
				45	47	0.58	0.56
				46	61	1.52	0.67
				47	53	0.90	0.60
				48	54	1.04	0.66
				49	53	0.92	0.62
				50	54	0.88	0.56
				51	51	0.83	0.63
				52	63	1.69	0.68
				53	52	0.88	0.63
				54	55	0.96	0.58
				55	52	0.81	0.58
				56	56	1.15	0.65
				57	52	0.92	0.65
				58	51	0.73	0.55
				59	52	0.87	0.62
				60	51	0.83	0.63
				61	53	0.87	0.58
				62	52	0.87	0.62
				63	50	0.71	0.57
				64	50	0.72	0.58
				65	56	1.13	0.64
				66	53	0.92	0.62
				67	53	0.87	0.58
				68	53	0.94	0.63
				69	51	0.77	0.58
				70	53	0.90	0.60
				71	52	0.90	0.64
				72	51	0.82	0.62
				73	52	0.86	0.61
				74	50	0.73	0.58
				75	52	0.83	0.59
				76	52	0.86	0.61
				77	53	0.92	0.62
				78	46	0.55	0.57
				79	55	1.02	0.61
				80	52	0.87	0.62
				81	54	0.89	0.57
				82	51	0.81	0.61
				83	55	0.93	0.56
				84	49	0.76	0.65
				85	54	0.88	0.56
				86	49	0.61	0.52
				87	50	0.64	0.51
				88	51	0.80	0.60
				89	49	0.66	0.56
				90	55	1.12	0.67
				91	50	0.67	0.54
				92	50	0.73	0.58
				93	53	0.90	0.60
				94	51	0.78	0.59
				95	50	0.85	0.68
				96	48	0.58	0.52
				97	52	0.84	0.60
				98	46	0.52	0.53
				99	46	0.56	0.58
				100	52	0.87	0.62
				101	48	0.69	0.62
				102	53	0.94	0.63
				103	52	0.82	0.58
				104	54	0.82	0.52
				105	50	0.80	0.64
				106	47	0.65	0.63
				107	52	0.78	0.55

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
				108	50	0.78	0.62
				109	56	1.05	0.60
				110	47	0.68	0.65
				111	49	0.67	0.57
				112	47	0.71	0.68
				113	47	0.59	0.57
				114	51	0.74	0.56
				115	51	0.80	0.60
				116	48	0.67	0.61
				117	48	0.59	0.53
				118	50	0.72	0.58
				119	49	0.65	0.55
				120	50	0.80	0.64
				121	52	0.74	0.53
				122	48	0.59	0.53
				123	54	1.03	0.65
				124	53	0.90	0.60
				125	51	0.74	0.56
				126	53	0.89	0.60
				127	54	0.96	0.61
				128	40	0.27	0.42
				129	51	0.73	0.55
				130	51	0.80	0.60
				131	55	1.20	0.72
				132	55	0.92	0.55
				133	51	0.77	0.58
				134	52	0.85	0.60
				135	50	0.65	0.52
				136	50	0.65	0.52
				137	53	0.92	0.62
				138	52	0.78	0.55
				139	51	0.79	0.60
				140	50	0.73	0.58
				141	51	0.73	0.55
				142	51	0.77	0.58
				143	50	0.75	0.60
				144	45	0.53	0.58
				145	53	0.85	0.57
				146	52	0.86	0.61
				147	53	0.81	0.54
				148	49	0.61	0.52
				149	55	1.10	0.66
				150	48	0.61	0.55
				151	45	0.56	0.61
				152	50	0.63	0.50
				153	52	0.82	0.58
				154	52	0.71	0.50
				155	48	0.60	0.54
				156	53	0.80	0.54
				157	47	0.56	0.54
				158	51	0.79	0.60
				159	51	0.73	0.55
				160	50	0.64	0.51
				161	48	0.57	0.52
				162	49	0.60	0.51
				163	51	0.66	0.50
				164	50	0.65	0.52
				165	47	0.58	0.56
				166	46	0.50	0.51
				167	48	0.62	0.56
				168	48	0.61	0.55
				169	43	0.41	0.52
				170	48	0.64	0.58
				171	46	0.48	0.49
				172	47	0.53	0.51
				173	50	0.68	0.54
				174	49	0.59	0.50
				175	46	0.51	0.52
				176	49	0.69	0.59
				177	46	0.51	0.52
				178	45	0.51	0.56
				179	43	0.40	0.50
				180	40	0.34	0.53
				181	46	0.52	0.53
				182	44	0.42	0.49
				183	45	0.43	0.47
				184	46	0.46	0.47
				185	50	0.59	0.47
				186	48	0.56	0.51
				187	46	0.43	0.44
				188	43	0.38	0.48
				189	46	0.45	0.46
				190	45	0.45	0.49
				191	43	0.40	0.50
				192	48	0.56	0.51

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
				193	40	0.32	0.50
				194	40	0.27	0.42
				195	38	0.25	0.46
				196	45	0.39	0.43
				197	37	0.19	0.38
				198	36	0.16	0.34
				199	40	0.29	0.45
				200	40	0.26	0.41
			SPOTFIN SHINER	1	66	2.57	0.89
				2	56	1.28	0.73
				3	53	1.17	0.79
				4	36	0.23	0.49
				5	33	0.18	0.50
				6	35	0.18	0.42
				7	33	0.17	0.47
				8	31	0.12	0.40
				9	33	0.15	0.42
				10	33	0.15	0.42
				11	33	0.15	0.42
			SAND SHINER	1	43	0.56	0.70
				2	33	0.21	0.58
			REDFIN SHINER	1	43	0.48	0.60
			MIMIC SHINER	1	45	0.59	0.65
			BLUNTNOSE MINNOW	1	80	6.29	1.23
				2	65	2.67	0.97
				3	65	2.34	0.85
				4	63	2.42	0.97
				5	58	1.62	0.83
			BULLHEAD MINNOW	1	63	2.55	1.02
			GOLDEN REDHORSE	1	73	4.42	1.14
			BROOK SILVERSIDE	1	52	0.45	0.32
				2	60	0.96	0.44
				3	59	0.88	0.43
				4	58	0.87	0.45
				5	57	0.75	0.40
				6	57	0.73	0.39
				7	60	0.95	0.44
				8	64	1.12	0.43
				9	62	1.00	0.42
				10	62	1.06	0.44
				11	60	0.90	0.42
				12	59	0.83	0.40
				13	53	0.61	0.41
				14	50	0.49	0.39
				15	52	0.56	0.40
				16	57	0.83	0.45
				17	53	0.62	0.42
				18	52	0.49	0.35
				19	54	0.63	0.40
				20	53	0.62	0.42
				21	48	0.40	0.36
				22	45	0.28	0.31
				23	49	0.39	0.33
				24	48	0.40	0.36
				25	50	0.42	0.34
				26	45	0.29	0.32
				27	42	0.23	0.31
			ROCK BASS	1	55	2.79	1.68
				2	46	1.85	1.90
				3	46	1.78	1.83
				4	45	1.63	1.79
			ORANGESPOTTED SUNFISH	1	80	9.25	1.81
				2	37	0.65	1.28
				3	32	0.33	1.01
				4	30	0.29	1.07
			LONGEAR SUNFISH	1	34	0.63	1.60
				2	25	0.16	1.02
				3	26	0.17	0.97
				4	27	0.22	1.12
				5	29	0.31	1.27
				6	27	0.25	1.27
				7	31	0.42	1.41
				8	28	0.22	1.00
				9	26	0.14	0.80
				10	26	0.16	0.91
				11	27	0.21	1.07
				12	26	0.15	0.85
				13	26	0.15	0.85
				14	25	0.12	0.77
				15	19	0.01	0.15
				16	20	0.01	0.12
			SMALLMOUTH BASS	1	103	16.88	1.54
				2	98	10.97	1.17
				3	90	9.09	1.25
				4	62	2.81	1.18
				5	64	3.19	1.22
				6	61	2.68	1.18
				7	72	4.65	1.25
				8	62	2.60	1.09
				9	65	3.45	1.26
				10	52	1.63	1.16
			JOHNNY DARTER	1	37	0.26	0.51
			LOGPERCH	1	66	2.32	0.81
			BLACKSIDE DARTER	1	57	1.35	0.73

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
	B		SMALLMOUTH BASS	1	66	3.92	1.36
				2	71	4.71	1.32
				3	62	3.45	1.45
				4	65	3.58	1.30
				5	64	3.26	1.24
				6	60	3.00	1.39
	C	08 09 88	GIZZARD SHAD	1	116	15.88	1.02
				2	106	10.96	0.92
				3	96	9.29	1.05
				4	87	6.57	1.00
				5	79	4.90	0.99
				6	86	6.50	1.02
				7	79	4.58	0.93
				8	110	13.00	0.98
				9	110	13.00	0.98
				10	110	13.00	0.98
				11	110	13.00	0.98
				12	110	13.00	0.98
				13	110	13.00	0.98
				14	110	13.00	0.98
				15	110	13.00	0.98
				16	110	13.00	0.98
				17	110	13.00	0.98
				18	110	13.00	0.98
				19	110	13.00	0.98
				20	110	13.00	0.98
				21	110	13.00	0.98
				22	110	13.00	0.98
				23	110	13.00	0.98
				24	110	13.00	0.98
				25	110	13.00	0.98
				26	110	13.00	0.98
				27	110	13.00	0.98
				28	110	13.00	0.98
				29	110	13.00	0.98
				30	110	13.00	0.98
				31	110	13.00	0.98
				32	110	13.00	0.98
				33	110	13.00	0.98
				34	110	13.00	0.98
				35	110	13.00	0.98
				36	110	13.00	0.98
				37	110	13.00	0.98
				38	110	13.00	0.98
				39	110	13.00	0.98
				40	110	13.00	0.98
				41	110	13.00	0.98
				42	110	13.00	0.98
				43	110	13.00	0.98
				44	110	13.00	0.98
				45	110	13.00	0.98
				46	110	13.00	0.98
				47	110	13.00	0.98
				48	110	13.00	0.98
				49	110	13.00	0.98
				50	110	13.00	0.98
				51	110	13.00	0.98
				52	110	13.00	0.98
				53	110	13.00	0.98
				54	110	13.00	0.98
				55	110	13.00	0.98
				56	110	13.00	0.98
				57	110	13.00	0.98
			STRIPED SHINER	1	66	2.83	0.98
				2	60	2.24	1.04
				3	59	1.86	0.91
				4	53	1.37	0.92
				5	51	1.16	0.87
				6	50	1.12	0.90
				7	47	0.96	0.92
				8	43	0.64	0.80
			SPOTFIN SHINER	1	37	0.38	0.75
				2	32	0.26	0.79
				3	31	0.18	0.60
			BLACKSTRIPE TOPMINNOW	1	42	0.76	1.03
			ROCK BASS	1	52	2.95	2.10
				2	43	1.62	2.04
				3	48	2.17	1.96
			LONGEAR SUNFISH	1	77	10.48	2.30
			SMALLMOUTH BASS	1	119	24.49	1.45
				2	70	4.26	1.24
				3	68	3.98	1.27
				4	67	3.80	1.26
				5	69	3.68	1.12
				6	67	3.60	1.20
			JOHNNY DARTER	1	35	0.34	0.79

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
4R	D	08 09 88	STRIPED SHINER	1	65	2.83	1.03
				2	56	1.55	0.88
				3	55	1.48	0.89
				4	56	1.66	0.95
				5	52	1.32	0.94
				6	50	1.11	0.89
				7	47	0.97	0.93
				8	46	0.81	0.83
				9	36	0.34	0.73
			SPOTFIN SHINER	1	70	3.34	0.97
				2	62	2.45	1.03
				3	62	2.22	0.93
				4	55	1.41	0.85
			BLUNTNOSE MINNOW	1	60	2.21	1.02
				2	57	1.88	1.02
				3	54	1.36	0.86
				4	50	1.12	0.90
				5	47	0.98	0.94
				6	37	0.38	0.75
			LONGEAR SUNFISH	1	96	23.38	2.64
				2	81	13.68	2.57
				3	32	0.63	1.92
				4	31	0.55	1.85
				5	18	0.09	1.54
			SMALLMOUTH BASS	1	120	25.93	1.50
				2	81	6.37	1.20
				3	76	5.32	1.21
				4	74	5.13	1.27
				5	72	4.81	1.29
				6	72	4.54	1.22
5L	A	08 01 88	GIZZARD SHAD	1	83	6.91	1.21
				2	85	6.68	1.09
			STRIPED SHINER	1	37	0.38	0.75
				2	34	0.33	0.84
				3	20	0.04	0.50
			SPOTFIN SHINER	1	21	0.04	0.43
				2	22	0.05	0.47
				3	20	0.03	0.37
				4	20	0.03	0.37
				5	20	0.04	0.50
				6	20	0.02	0.25
				7	20	0.03	0.37
				8	18	0.03	0.51
				9	16	0.01	0.24
				10	20	0.04	0.50
				11	19	0.02	0.29
				12	18	0.03	0.51
				13	18	0.02	0.34
				14	18	0.03	0.51
				15	19	0.04	0.58
				16	17	0.01	0.20
				17	17	0.01	0.20
				18	14	0.01	0.36
				19	17	0.01	0.20
				20	17	0.01	0.20
				21	16	0.01	0.24
				22	15	0.05	1.48
				23	18	0.02	0.34
				24	16	0.01	0.24
				25	15	0.01	0.30
				26	17	0.01	0.20
				27	18	0.01	0.17
				28	17	0.02	0.41
				29	15	0.01	0.30
				30	16	0.01	0.24
			SAND SHINER	1	29	0.17	0.70
				2	28	0.16	0.73
				3	27	0.13	0.66
				4	23	0.05	0.41
			BLUNTNOSE MINNOW	1	33	0.26	0.72
				2	25	0.11	0.70
				3	22	0.05	0.47
			QUILLBACK	1	63	3.11	1.24
				2	59	2.56	1.25
				3	52	1.65	1.17
				4	56	2.24	1.28
				5	52	1.70	1.21
				6	51	1.49	1.12
			ROCK BASS	1	55	3.50	2.10
				2	49	2.48	2.11
			GREEN SUNFISH	1	87	16.16	2.45
				2	25	0.28	1.79
			JOHNNY DARTER	1	39	0.43	0.72
				2	36	0.35	0.75
				3	27	0.15	0.76
	B		STRIPED SHINER	1	38	0.50	0.91
			SPOTFIN SHINER	1	90	7.21	0.99
				2	22	0.07	0.66
				3	18	0.05	0.86
				4	19	0.04	0.58
				5	20	0.06	0.75
			SAND SHINER	1	25	0.11	0.70
				2	29	0.19	0.78
			BLUNTNOSE MINNOW	1	36	0.41	0.88
				2	27	0.22	1.12
				3	26	0.14	0.80

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
			QUILLBACK	1	51	1.54	1.16
				2	69	4.42	1.35
				3	58	2.76	1.41
				4	57	2.59	1.40
				5	52	1.96	1.39
				6	57	2.36	1.27
			ROCK BASS	1	42	1.53	2.07
				2	47	2.26	2.18
			GREEN SUNFISH	1	20	0.11	1.37
			LONGEAR SUNFISH	1	25	0.23	1.47
			SMALLMOUTH BASS	1	75	6.04	1.43
				2	64	3.40	1.30
				3	61	3.00	1.32
				4	64	3.67	1.40
			JOHNNY DARTER	1	41	0.53	0.77
				2	37	0.35	0.69
	C	08 09 88	GIZZARD SHAD	1	97	9.59	1.05
				2	98	9.87	1.05
				3	90	7.87	1.08
				4	88	7.08	1.04
				5	80	4.65	0.91
			STRIPED SHINER	1	41	0.60	0.87
				2	37	0.38	0.75
				3	36	0.47	1.01
				4	40	0.55	0.86
				5	36	0.40	0.86
				6	39	0.46	0.78
				7	37	0.38	0.75
				8	35	0.33	0.77
				9	40	0.53	0.83
				10	38	0.50	0.91
				11	37	0.44	0.87
				12	37	0.44	0.87
				13	35	0.36	0.84
				14	36	0.39	0.84
				15	35	0.37	0.86
				16	37	0.43	0.85
				17	35	0.41	0.96
				18	33	0.32	0.89
			SPOTFIN SHINER	1	30	0.24	0.89
				2	27	0.15	0.76
				3	24	0.12	0.87
				4	21	0.07	0.76
				5	20	0.07	0.87
			SAND SHINER	1	36	0.40	0.86
				2	35	0.34	0.79
				3	35	0.34	0.79
				4	38	0.43	0.78
				5	36	0.36	0.77
				6	35	0.38	0.89
				7	33	0.28	0.78
				8	33	0.34	0.95
				9	31	0.28	0.94
				10	33	0.34	0.95
				11	32	0.28	0.85
				12	31	0.27	0.91
				13	32	0.28	0.85
				14	32	0.28	0.85
				15	31	0.30	1.01
				16	30	0.25	0.93
				17	30	0.26	0.96
				18	31	0.28	0.94
				19	28	0.21	0.96
				20	32	0.32	0.98
				21	32	0.30	0.92
				22	29	0.25	1.03
				23	27	0.20	1.02
				24	31	0.28	0.94
				25	30	0.27	1.00
				26	32	0.27	0.82
				27	31	0.29	0.97
				28	29	0.25	1.03
				29	28	0.21	0.96
				30	28	0.21	0.96
				31	28	0.21	0.96
				32	27	0.17	0.86
				33	29	0.20	0.82
				34	22	0.11	1.03
				35	21	0.07	0.76
				36	22	0.07	0.66
				37	20	0.07	0.87
				38	20	0.07	0.87
				39	17	0.04	0.81
			SUCKERMOUTH MINNOW	1	40	1.53	2.39

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
5L	C	08 09 88	BLUNTNOSE MINNOW	1	45	0.85	0.93
				2	39	0.53	0.89
				3	40	0.59	0.92
				4	35	0.38	0.89
				5	34	0.37	0.94
				6	35	0.43	1.00
				7	36	0.37	0.79
				8	34	0.35	0.89
				9	36	0.45	0.96
				10	34	0.39	0.99
				11	34	0.34	0.87
				12	33	0.34	0.95
				13	34	0.37	0.94
				14	32	0.29	0.89
				15	32	0.33	1.01
				16	32	0.29	0.89
				17	31	0.29	0.97
				18	29	0.23	0.94
				19	29	0.23	0.94
				20	30	0.28	1.04
				21	28	0.20	0.91
				22	29	0.23	0.94
			QUILLBACK	1	69	4.80	1.46
				2	58	2.40	1.23
			BLACKSTRIPE TOPMINNOW	1	37	0.50	0.99
				2	34	0.38	0.97
				3	30	0.27	1.00
				4	35	0.34	0.79
			ROCK BASS	1	55	3.57	2.15
				2	45	1.95	2.14
				3	41	1.32	1.92
				4	40	1.22	1.91
			GREEN SUNFISH	1	106	25.12	2.11
				2	101	22.42	2.18
				3	71	7.19	2.01
				4	43	1.51	1.90
				5	32	0.67	2.04
				6	36	0.90	1.93
			LONGEAR SUNFISH	1	41	1.20	1.74
				2	33	0.66	1.84
				3	31	0.50	1.68
				4	26	0.29	1.65
			SMALLMOUTH BASS	1	90	9.84	1.35
				2	91	9.31	1.24
				3	88	8.34	1.22
				4	82	6.34	1.15
				5	85	7.67	1.25
				6	87	7.33	1.11
				7	81	6.79	1.28
				8	80	6.71	1.31
				9	78	5.91	1.25
				10	70	4.49	1.31
				11	77	5.59	1.22
				12	76	5.12	1.17
				13	70	4.26	1.24
				14	77	5.33	1.17
				15	71	4.87	1.36
				16	70	4.06	1.18
				17	74	5.01	1.24
				18	73	5.01	1.29
				19	64	3.06	1.17
				20	65	3.24	1.18
				21	69	3.92	1.19
				22	64	3.29	1.26
				23	62	2.96	1.24
				24	63	3.31	1.32
				25	68	3.32	1.06
			JOHNNY DARTER	1	39	0.41	0.69
				2	41	0.47	0.68
			BLACKSIDE DARTER	1	70	2.83	0.83
	D		GIZZARD SHAD	1	98	10.00	1.06
			CARP	1	120	24.93	1.44
			STRIPED SHINER	1	45	0.75	0.82
				2	41	0.54	0.78
				3	43	0.62	0.78
				4	38	0.36	0.66
				5	40	0.40	0.62
				6	45	0.72	0.79
				7	40	0.53	0.83
				8	40	0.46	0.72
				9	39	0.41	0.69
				10	42	0.54	0.73
				11	41	0.44	0.64
				12	39	0.43	0.72
				13	41	0.46	0.67
				14	42	0.57	0.77
				15	35	0.30	0.70
				16	38	0.39	0.71
				17	40	0.48	0.75
				18	38	0.40	0.73
				19	38	0.36	0.66
				20	37	0.36	0.71
				21	39	0.40	0.67
				22	40	0.48	0.75

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
				23	38	0.36	0.66
				24	39	0.43	0.72
				25	38	0.36	0.66
				26	33	0.22	0.61
				27	38	0.40	0.73
				28	38	0.35	0.64
				29	39	0.40	0.67
				30	39	0.48	0.81
				31	35	0.39	0.91
				32	37	0.48	0.95
				33	38	0.44	0.80
				34	38	0.48	0.87
				35	39	0.53	0.89
				36	36	0.41	0.88
				37	37	0.45	0.89
				38	38	0.57	1.04
				39	38	0.45	0.82
				40	38	0.42	0.77
				41	37	0.40	0.79
				42	38	0.49	0.89
				43	37	0.45	0.89
				44	36	0.38	0.81
				45	33	0.37	1.03
				46	35	0.37	0.86
				47	35	0.37	0.86
				48	35	0.37	0.86
				49	39	0.47	0.79
				50	36	0.38	0.81
				51	36	0.41	0.88
				52	40	0.56	0.87
				53	36	0.38	0.81
				54	35	0.34	0.79
				55	36	0.41	0.88
				56	35	0.32	0.75
				57	31	0.32	1.07
				58	34	0.34	0.87
				59	35	0.40	0.93
				60	33	0.34	0.95
				61	34	0.30	0.76
				62	36	0.34	0.73
				63	31	0.25	0.84
				64	31	0.27	0.91
				65	30	0.19	0.70
				66	30	0.19	0.70
				67	28	0.19	0.87
			SPOTFIN SHINER	1	26	0.06	0.34
				2	25	0.07	0.45
				3	27	0.07	0.36
				4	25	0.07	0.45
				5	24	0.01	0.07
				6	22	0.01	0.09
				7	21	0.02	0.22
				8	21	0.01	0.11
				9	17	0.01	0.20
				10	17	0.01	0.20
			SAND SHINER	1	34	0.31	0.79
				2	37	0.37	0.73
				3	33	0.29	0.81
				4	36	0.32	0.69
				5	47	0.85	0.82
				6	36	0.36	0.77
				7	39	0.42	0.71
				8	34	0.31	0.79
				9	35	0.31	0.72
				10	33	0.32	0.89
				11	32	0.25	0.76
				12	34	0.32	0.81
				13	33	0.31	0.86
				14	37	0.39	0.77
				15	34	0.28	0.71
				16	37	0.40	0.79
				17	33	0.28	0.78
				18	36	0.36	0.77
				19	41	0.56	0.81
				20	34	0.29	0.74
				21	36	0.38	0.81
				22	34	0.32	0.81
				23	36	0.36	0.77
				24	36	0.38	0.81
				25	37	0.40	0.79
				26	36	0.33	0.71
				27	30	0.22	0.81
				28	34	0.29	0.74
				29	35	0.36	0.84
				30	33	0.29	0.81
				31	37	0.43	0.85

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
5L	D	08 09 88	SAND SHINER	32	33	0.27	0.75
				33	37	0.42	0.83
				34	38	0.37	0.67
				35	33	0.27	0.75
				36	36	0.35	0.75
				37	31	0.21	0.70
				38	36	0.36	0.77
				39	30	0.14	0.52
				40	28	0.15	0.68
				41	38	0.45	0.82
				42	34	0.30	0.76
				43	37	0.42	0.83
				44	32	0.25	0.76
				45	35	0.35	0.82
				46	34	0.30	0.76
				47	32	0.26	0.79
				48	42	0.54	0.73
				49	31	0.29	0.97
				50	33	0.21	0.58
				51	32	0.30	0.92
				52	33	0.28	0.78
				53	32	0.25	0.76
				54	33	0.23	0.64
				55	34	0.24	0.61
				56	31	0.24	0.81
				57	35	0.31	0.72
				58	33	0.32	0.89
				59	31	0.24	0.81
				60	33	0.27	0.75
				61	31	0.22	0.74
				62	35	0.28	0.65
				63	35	0.33	0.77
				64	34	0.31	0.79
				65	35	0.36	0.84
				66	32	0.24	0.73
				67	31	0.28	0.94
				68	31	0.26	0.87
				69	32	0.27	0.82
				70	34	0.29	0.74
				71	33	0.28	0.78
				72	31	0.24	0.81
				73	32	0.26	0.79
				74	31	0.26	0.87
				75	37	0.38	0.75
				76	34	0.29	0.74
				77	27	0.17	0.86
				78	32	0.27	0.82
				79	33	0.29	0.81
				80	31	0.21	0.70
				81	34	0.29	0.74
				82	31	0.24	0.81
				83	32	0.26	0.79
				84	29	0.19	0.78
				85	31	0.24	0.81
				86	32	0.23	0.70
				87	30	0.23	0.85
				88	29	0.22	0.90
				89	32	0.28	0.85
				90	28	0.18	0.82
				91	31	0.27	0.91
				92	29	0.21	0.86
				93	30	0.24	0.89
				94	31	0.27	0.91
				95	32	0.25	0.76
				96	31	0.25	0.84
				97	32	0.29	0.89
				98	30	0.18	0.67
				99	30	0.22	0.81
				100	32	0.28	0.85
				101	30	0.22	0.81
				102	30	0.26	0.96
				103	30	0.25	0.93
				104	30	0.22	0.81
				105	32	0.25	0.76
				106	28	0.15	0.68
				107	32	0.25	0.76
				108	31	0.25	0.84
				109	34	0.32	0.81
				110	30	0.20	0.74
				111	33	0.29	0.81
				112	28	0.22	1.00
				113	30	0.18	0.67
				114	31	0.18	0.60
				115	31	0.16	0.54
				116	31	0.26	0.87
				117	29	0.20	0.82
				118	31	0.23	0.77
				119	32	0.27	0.82
				120	31	0.23	0.77
				121	29	0.17	0.70
				122	31	0.17	0.57
				123	29	0.17	0.70
				124	31	0.19	0.64
				125	28	0.13	0.59

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
				126	29	0.18	0.74
				127	28	0.12	0.55
				128	27	0.12	0.61
				129	30	0.20	0.74
				130	30	0.15	0.56
				131	28	0.10	0.46
				132	27	0.10	0.51
				133	29	0.18	0.74
				134	25	0.12	0.77
				135	30	0.18	0.67
				136	29	0.17	0.70
				137	28	0.11	0.50
				138	28	0.12	0.55
				139	28	0.12	0.55
				140	23	0.10	0.82
				141	27	0.10	0.51
				142	28	0.10	0.46
				143	28	0.11	0.50
				144	31	0.13	0.44
				145	28	0.13	0.59
				146	27	0.10	0.51
				147	24	0.09	0.65
				148	26	0.08	0.46
				149	27	0.09	0.46
				150	27	0.09	0.46
				151	31	0.17	0.57
				152	29	0.13	0.53
				153	26	0.09	0.51
				154	29	0.11	0.45
				155	26	0.07	0.40
				156	26	0.06	0.34
				157	27	0.06	0.30
				158	26	0.06	0.34
				159	23	0.04	0.33
				160	22	0.03	0.28
				161	23	0.08	0.66
				162	23	0.02	0.16
				163	24	0.03	0.22
				164	20	0.03	0.37
				165	22	0.03	0.28
				166	21	0.04	0.43
				167	21	0.05	0.54
				168	20	0.05	0.62
				169	23	0.03	0.25
				170	21	0.01	0.11
				171	23	0.04	0.33
				172	22	0.04	0.38
				173	19	0.02	0.29
				174	18	0.02	0.34
				175	20	0.04	0.50
			SUCKERMOUTH MINNOW	1	42	0.71	0.96
			BLUNTNOSE MINNOW	1	39	0.52	0.88
				2	41	0.52	0.75
				3	44	0.63	0.74
				4	39	0.47	0.79
				5	40	0.45	0.70
				6	39	0.46	0.78
				7	39	0.48	0.81
				8	38	0.46	0.84
				9	40	0.50	0.78
				10	38	0.44	0.80
				11	41	0.60	0.87
				12	40	0.51	0.80
				13	41	0.55	0.80
				14	42	0.57	0.77
				15	37	0.44	0.87
				16	39	0.46	0.78
				17	38	0.33	0.60
				18	40	0.60	0.94
				19	38	0.47	0.86
				20	37	0.49	0.97
				21	38	0.42	0.77
				22	39	0.52	0.88
				23	41	0.45	0.65
				24	39	0.46	0.78
				25	32	0.22	0.67
				26	40	0.49	0.77
				27	37	0.31	0.61
				28	35	0.37	0.86
				29	35	0.29	0.68
				30	35	0.39	0.91
				31	31	0.20	0.67
				32	35	0.32	0.75
				33	38	0.45	0.82
				34	37	0.37	0.73
				35	36	0.35	0.75

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
5L	D	08 09 88	BLUNTNOSE MINNOW	36	34	0.30	0.76
				37	37	0.39	0.77
				38	36	0.34	0.73
				39	38	0.49	0.89
				40	34	0.27	0.69
				41	31	0.19	0.64
				42	34	0.28	0.71
				43	34	0.28	0.71
				44	35	0.33	0.77
				45	32	0.23	0.70
				46	36	0.32	0.69
				47	33	0.25	0.70
				48	30	0.19	0.70
				49	33	0.24	0.67
				50	34	0.28	0.71
				51	32	0.22	0.67
				52	30	0.19	0.70
				53	32	0.17	0.52
				54	30	0.19	0.70
				55	30	0.17	0.63
				56	31	0.20	0.67
				57	32	0.17	0.52
				58	30	0.14	0.52
				59	28	0.13	0.59
				60	27	0.09	0.46
				61	31	0.14	0.47
				62	25	0.06	0.38
				63	23	0.06	0.49
				64	22	0.06	0.56
				65	22	0.03	0.28
				66	22	0.02	0.19
			BULLHEAD MINNOW	1	29	0.17	0.70
				2	25	0.09	0.58
				3	22	0.05	0.47
				4	23	0.08	0.66
			QUILLBACK	1	70	4.91	1.43
				2	66	4.21	1.46
			SILVER REDHORSE	1	57	2.00	1.08
			BLACKSTRIPE TOPMINNOW	1	32	0.27	0.82
				2	27	0.16	0.81
			ROCK BASS	1	53	2.96	1.99
			GREEN SUNFISH	1	119	43.60	2.59
				2	88	13.78	2.02
				3	25	0.26	1.66
			LONGEAR SUNFISH	1	30	0.37	1.37
			SMALLMOUTH BASS	1	97	11.03	1.21
				2	79	6.39	1.30
				3	80	6.50	1.27
				4	82	6.95	1.26
				5	73	4.65	1.20
				6	75	4.65	1.10
				7	68	4.11	1.31
				8	72	4.76	1.28
				9	73	4.68	1.20
				10	70	4.12	1.20
				11	67	3.78	1.26
				12	70	4.36	1.27
				13	66	3.71	1.29
				14	70	4.07	1.19
				15	64	3.52	1.34
				16	62	3.14	1.32
				17	62	2.94	1.23
				18	52	1.94	1.38
			LARGEMOUTH BASS	1	111	19.53	1.43
			JOHNNY DARTER	1	36	0.30	0.64
5R	A	08 01 88	HORNYHEAD CHUB	1	63	2.88	1.15
				2	57	2.18	1.18
				3	53	1.69	1.14
			BLUNTNOSE MINNOW	1	53	1.44	0.97
				2	65	2.76	1.01
				3	55	1.55	0.93
				4	57	1.55	0.84
				5	55	1.42	0.85
				6	52	1.42	1.01
				7	54	1.38	0.88
				8	41	0.54	0.78
				9	43	0.64	0.80
				10	41	0.56	0.81
				11	44	0.72	0.85
				12	38	0.48	0.87
				13	46	0.85	0.87
				14	38	0.40	0.73
				15	37	0.39	0.77
				16	40	0.47	0.73
				17	50	1.06	0.85
				18	41	0.53	0.77
				19	39	0.40	0.67
				20	38	0.42	0.77
				21	38	0.39	0.71
				22	35	0.31	0.72
				23	40	0.46	0.72
				24	41	0.59	0.86
				25	43	0.62	0.78
				26	40	0.48	0.75
				27	39	0.41	0.69
				28	40	0.42	0.66

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
				29	37	0.37	0.73
				30	38	0.38	0.69
				31	35	0.34	0.79
				32	36	0.34	0.73
				33	36	0.33	0.71
				34	37	0.30	0.59
				35	41	0.49	0.71
				36	37	0.39	0.77
				37	39	0.44	0.74
				39	38	0.40	0.73
				40	24	0.08	0.58
			BULLHEAD MINNOW	1	65	3.22	1.17
				2	57	2.23	1.20
				3	50	1.34	1.07
			ROCK BASS	1	87	13.36	2.03
				2	58	4.07	2.09
				3	50	2.56	2.05
				4	41	1.40	2.03
				5	23	0.14	1.15
			GREEN SUNFISH	1	23	0.14	1.15
			ORANGESPOTTED SUNFISH	1	69	5.88	1.79
				2	65	4.94	1.80
				3	18	0.01	0.17
			LONGEAR SUNFISH	1	81	13.22	2.49
				2	71	7.94	2.22
				3	78	9.39	1.98
				4	80	13.60	2.66
				5	19	0.07	1.02
				6	16	0.03	0.73
			SMALLMOUTH BASS	1	85	8.69	1.42
				2	80	6.60	1.29
				3	77	7.02	1.54
				4	70	4.75	1.38
				5	66	3.69	1.28
			LARGEMOUTH BASS	1	127	27.39	1.34
			BLACKSIDE DARTER	1	66	2.37	0.82
	8		RUDD	1	112	14.97	1.07
			CARP	1	123	36.02	1.94
			HORNYHEAD CHUB	1	61	2.67	1.18
				2	57	2.21	1.19
				3	62	2.73	1.15
				4	52	1.43	1.02
				5	47	1.12	1.08
			BLUNTNOSE MINNOW	1	35	0.30	0.70
				2	42	0.62	0.84
				3	34	0.31	0.79
				4	38	0.43	0.78
				5	38	0.43	0.78
				6	36	0.35	0.75
				7	37	0.42	0.83
				8	34	0.26	0.66
				9	32	0.22	0.67
				10	31	0.24	0.81
				11	35	0.32	0.75
				12	30	0.20	0.74
				13	22	0.02	0.19
			BLACKSTRIPE TOPMINNOW	1	36	0.35	0.75
			ROCK BASS	1	100	23.49	2.35
				2	82	12.76	2.31
				3	73	8.71	2.24
				4	54	3.44	2.18
				5	53	3.31	2.22
				6	51	2.84	2.14
				7	55	3.70	2.22
				8	49	2.49	2.12
				9	44	1.74	2.04
				10	47	2.14	2.06
				11	40	1.32	2.06
				12	43	1.59	2.00
				13	39	1.09	1.84
				14	37	0.96	1.90
				15	36	0.87	1.86
				16	25	0.22	1.41
				17	26	0.30	1.71
				18	19	0.10	1.46
			GREEN SUNFISH	1	25	0.30	1.92
			ORANGESPOTTED SUNFISH	1	91	15.48	2.05
				2	23	0.16	1.32
			LONGEAR SUNFISH	1	74	8.91	2.20
				2	20	0.08	1.00
				3	18	0.06	1.03
				4	18	0.05	0.86
				5	20	0.07	0.87
				6	17	0.02	0.41

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
5R	8	08 01 88	LONGEAR SUNFISH	7	19	0.05	0.73
				8	19	0.04	0.58
				9	17	0.03	0.61
				10	17	0.02	0.41
				11	17	0.02	0.41
				12	15	0.05	1.48
				13	13	0.01	0.46
				14	14	0.01	0.36
				15	16	0.01	0.24
				16	11	0.01	0.75
			SMALLMOUTH BASS	1	75	6.12	1.45
			JOHNNY DARTER	2	69	4.75	1.45
				1	40	0.43	0.67
				2	38	0.37	0.67
				3	33	0.25	0.70
				4	38	0.36	0.66
				5	38	0.36	0.66
				6	39	0.42	0.71
				7	38	0.34	0.62
				8	44	0.59	0.69
				9	43	0.61	0.77
				10	35	0.30	0.70
				11	35	0.25	0.58
				12	34	0.28	0.71
				13	38	0.38	0.69
				14	33	0.25	0.70
				15	32	0.20	0.61
				16	30	0.18	0.67
				17	31	0.17	0.57
				18	26	0.11	0.63
				19	23	0.04	0.33
			BLACKSIDE DARTER	20	27	0.14	0.71
C		08 09 88	SPOTFIN SHINER	1	55	1.33	0.80
			BLUNTNOSE MINNOW	1	80	4.82	0.94
				1	55	1.53	0.92
				2	52	1.37	0.97
				3	55	1.37	0.82
				4	55	1.44	0.87
				5	49	1.06	0.90
				6	47	0.91	0.88
				7	47	0.86	0.83
				8	42	0.61	0.82
				9	43	0.65	0.82
				10	43	0.65	0.82
				11	40	0.43	0.67
				12	37	0.38	0.75
				13	37	0.41	0.81
				14	31	0.23	0.77
			YELLOW BULLHEAD	15	23	0.06	0.49
			BLACKSTRIPE TOPMINNOW	1	88	8.72	1.28
				1	30	0.25	0.93
				2	30	0.23	0.85
				3	35	0.27	0.63
			ROCK BASS	4	40	0.31	0.48
				1	95	17.75	2.07
				2	88	13.19	1.94
				3	91	17.61	2.34
				4	58	1.00	0.51
				5	60	4.04	1.87
				6	61	4.85	2.14
				7	58	3.87	1.98
				8	56	3.39	1.93
				9	59	3.66	1.78
				10	58	4.57	2.34
				11	56	3.20	1.82
				12	53	2.92	1.96
				13	57	3.46	1.87
				14	50	2.52	2.02
				15	49	2.29	1.95
				16	48	2.09	1.89
				17	52	2.35	1.67
				18	50	2.26	1.81
				19	43	1.50	1.89
				20	45	1.70	1.87
				21	43	1.72	2.16
				22	37	1.02	2.01
				23	33	0.55	1.53
			GREEN SUNFISH	24	185	125.00	1.97
			ORANGESPOTTED SUNFISH	1	118	40.42	2.46
				1	35	0.62	1.45
				2	30	0.36	1.33
				3	30	0.36	1.33
				4	24	0.25	1.81
				5	26	0.27	1.54
				6	25	0.27	1.73
				7	22	0.15	1.41
				8	50	3.98	3.18
			LONGEAR SUNFISH	9	70	5.93	1.73
				1	93	23.26	2.89
				2	89	17.15	2.43
				3	72	8.65	2.32
				4	70	8.10	2.36
				5	41	1.16	1.68
				6	33	0.58	1.61
				7	25	0.26	1.66

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
				8	23	0.17	1.40
				9	20	0.09	1.12
				10	20	0.09	1.12
				11	20	0.09	1.12
				12	16	0.05	1.22
				13	15	0.05	1.48
			SMALLMOUTH BASS	1	82	7.42	1.35
				2	76	6.27	1.43
				3	80	6.59	1.29
				4	71	4.75	1.33
				5	70	4.50	1.31
			LARGEMOUTH BASS	1	127	31.47	1.54
				2	102	15.37	1.45
				3	90	9.84	1.35
				4	62	3.44	1.44
			BLACK CRAPPIE	1	73	4.57	1.17
			JOHNNY DARTER	1	40	0.44	0.69
	D		SPOTFIN SHINER	1	31	0.21	0.70
				2	27	0.16	0.81
				3	24	0.10	0.72
				4	25	0.12	0.77
				5	21	0.06	0.65
			BLUNTNOSE MINNOW	1	43	0.62	0.78
				2	42	0.62	0.84
				3	39	0.55	0.93
				4	39	0.50	0.84
				5	39	0.50	0.84
				6	38	0.46	0.84
				7	35	0.36	0.84
				8	32	0.29	0.89
				9	30	0.20	0.74
				10	20	0.07	0.87
			BULLHEAD MINNOW	1	50	1.39	1.11
				2	60	2.15	1.00
			BLACKSTRIPE TOPMINNOW	1	43	0.64	0.80
				2	30	0.17	0.63
				3	27	0.09	0.46
				4	27	0.12	0.61
				5	27	0.12	0.61
				6	26	0.09	0.51
			ROCK BASS	1	58	4.00	2.05
				2	59	4.10	2.00
			ORANGESPOTTED SUNFISH	1	85	13.24	2.16
				2	82	11.69	2.12
				3	76	7.98	1.82
				4	42	1.07	1.44
			LONGEAR SUNFISH	1	75	9.42	2.23
				2	71	7.15	2.00
				3	72	8.41	2.25
				4	62	4.97	2.09
				5	46	1.78	1.83
				6	41	1.25	1.81
				7	40	1.07	1.67
				8	37	0.87	1.72
				9	35	0.75	1.75
				10	30	0.40	1.48
				11	20	0.15	1.87
				12	20	0.15	1.87
				13	19	0.10	1.46
			SMALLMOUTH BASS	1	98	10.98	1.17
				2	90	8.75	1.20
				3	77	6.38	1.40
				4	74	5.09	1.26
				5	70	4.20	1.22
				6	78	6.16	1.30
				7	68	3.84	1.22
				8	72	4.39	1.18
				9	71	4.47	1.25
				10	67	3.65	1.21
6L	A	08 01 88	SMALLMOUTH BASS	1	62	3.26	1.37
				2	58	2.61	1.34
	B		BLACKSTRIPE TOPMINNOW	1	46	0.89	0.91
				2	44	0.89	1.04
				3	40	0.53	0.83
				4	43	0.69	0.87
				5	40	0.55	0.86
				6	35	0.36	0.84
				7	38	0.48	0.87
				8	31	0.25	0.84
				9	30	0.23	0.85
			ORANGESPOTTED SUNFISH	1	16	0.05	1.22
			LONGEAR SUNFISH	1	23	0.17	1.40
			SMALLMOUTH BASS	1	86	8.16	1.28
	C	08 09 88	SMALLMOUTH BASS	1	86	8.53	1.34
				2	84	7.13	1.20

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
6L	C	08 09 88	SMALLMOUTH BASS	3	78	6.54	1.38
				4	80	6.68	1.30
				5	72	4.83	1.29
				6	70	4.83	1.41
				7	62	3.07	1.29
				8	69	4.44	1.35
				9	70	3.96	1.15
				10	67	3.52	1.17
	D		HORNYHEAD CHUB	1	58	2.27	1.16
			STRIPED SHINER	1	68	3.32	1.06
				2	62	2.39	1.00
				3	65	2.85	1.04
				4	63	2.64	1.06
				5	55	1.70	1.02
				6	57	1.73	0.93
				7	48	0.90	0.81
				8	50	0.95	0.76
			BLUNTNOSE MINNOW	1	72	3.66	0.98
				2	64	2.47	0.94
			BLACKSTRIPE TOPMINNOW	1	38	0.49	0.89
				2	29	0.23	0.94
				3	45	0.82	0.90
			ROCK BASS	1	89	15.19	2.15
				2	52	2.87	2.04
				3	54	3.17	2.01
				4	50	2.66	2.13
			LONGEAR SUNFISH	1	72	8.31	2.23
			SMALLMOUTH BASS	1	72	4.69	1.26
				2	65	3.49	1.27
				3	65	3.44	1.25
			BANDED DARTER	1	35	0.39	0.91
6R	A	08 01 88	LONGEAR SUNFISH	1	112	40.61	2.89
				2	79	11.73	2.38
				3	84	14.52	2.45
				4	77	9.96	2.18
				5	70	7.77	2.27
				6	66	6.62	2.30
			SMALLMOUTH BASS	1	110	18.45	1.39
				2	89	8.51	1.21
				3	99	11.16	1.15
				4	85	9.57	1.56
				5	80	6.74	1.32
				6	75	5.78	1.37
				7	70	4.03	1.17
				8	66	3.70	1.29
				9	74	4.78	1.18
				10	67	3.52	1.17
				11	70	4.26	1.24
				12	68	3.95	1.26
				13	61	2.73	1.20
				14	62	2.82	1.18
				15	62	3.16	1.33
				16	60	2.50	1.16
				17	53	1.86	1.25
				18	55	2.17	1.30
				19	50	1.59	1.27
	B		STRIPED SHINER	1	30	0.23	0.85
				2	36	0.36	0.77
			REDFIN SHINER	1	54	1.28	0.81
				2	54	1.47	0.93
				3	52	1.21	0.86
				4	51	1.12	0.84
			BLUNTNOSE MINNOW	1	75	4.40	1.04
				2	81	5.55	1.04
				3	76	4.31	0.98
				4	66	3.15	1.10
				5	70	3.21	0.94
				6	68	2.96	0.94
				7	60	1.94	0.90
				8	70	3.57	1.04
				9	68	3.08	0.98
				10	58	1.70	0.87
				11	55	1.39	0.84
			ROCK BASS	1	163	102.14	2.36
				2	46	2.28	2.34
			ORANGESPOTTED SUNFISH	1	20	0.08	1.00
				2	20	0.08	1.00
			LONGEAR SUNFISH	1	101	29.00	2.81
				2	92	20.93	2.69
				3	100	27.70	2.77
				4	84	14.69	2.48
				5	75	9.83	2.33
				6	70	7.01	2.04
				7	65	6.50	2.37
				8	66	6.48	2.25
				9	64	5.69	2.17
				10	68	6.96	2.21
				11	63	5.40	2.16
				12	21	0.12	1.30
			SMALLMOUTH BASS	1	85	9.00	1.47
				2	74	5.26	1.30

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1988 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
				3	83	7.97	1.39
				4	62	3.00	1.26
				5	76	5.73	1.31
				6	62	2.77	1.16
				7	62	3.52	1.48
				8	62	2.94	1.23
				9	56	2.44	1.39
			LARGEMOUTH BASS	1	109	18.34	1.42
	C	08 09 88	ROSYFACE SHINER	1	51	0.83	0.63
				2	53	1.05	0.71
				3	49	0.77	0.65
				4	48	0.73	0.66
				5	45	0.56	0.61
				6	48	0.76	0.69
				7	45	0.60	0.66
				8	44	0.52	0.61
				9	38	0.34	0.62
				10	38	0.36	0.66
				11	39	0.36	0.61
				12	60	1.48	0.69
				13	61	1.52	0.67
				14	62	1.53	0.64
				15	63	1.56	0.62
			SPOTFIN SHINER	1	56	1.51	0.86
			BROOK SILVERSIDE	1	60	0.96	0.44
			SMALLMOUTH BASS	1	101	13.08	1.27
				2	96	10.85	1.23
				3	66	3.53	1.23
				4	69	4.29	1.31
				5	65	3.46	1.26
	D		STRIPED SHINER	1	41	0.57	0.83
			ROSYFACE SHINER	1	53	0.98	0.66
				2	45	0.55	0.60
			REDFIN SHINER	1	70	1.60	0.47
			BLUNTNOSE MINNOW	1	69	3.27	1.00
			BLACKSTRIPE TOPMINNOW	1	27	0.20	1.02
				2	40	0.32	0.50
			BROOK SILVERSIDE	1	65	1.12	0.41
				2	70	1.23	0.36
			LONGEAR SUNFISH	1	112	41.82	2.98
				2	105	26.95	2.33
				3	99	24.84	2.56
				4	23	0.22	1.81
			SMALLMOUTH BASS	1	81	8.09	1.52
				2	91	8.89	1.18
				3	81	7.17	1.35
				4	70	4.41	1.29
				5	71	4.58	1.28
				6	65	3.44	1.25
			JOHNNY DARTER	1	36	0.43	0.92
			LOGPERCH	1	75	2.78	0.66

APPENDIX D-1. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	%NO.	WT(G)	%WT	SEINING NO.	%NO.	WT(G)	%WT	TOTAL NO.	%NO.	WT(G)	%WT
LONGNOSE GAR	1979	1	0.5	28.00	0.1	1	0.7	11.67	12.9	2	0.6	39.67	0.2
	1981	1	0.4	1.00	0.0	0	0.0	0.00	0.0	1	0.3	1.00	0.0
	1985	1	0.3	28.00	0.1	0	0.0	0.00	0.0	1	0.1	28.00	0.1
	1988	4	1.0	116.00	0.6	0	0.0	0.00	0.0	4	0.9	116.00	0.6
	TOTAL	7	0.6	173.00	0.1	1	0.1	11.67	1.0	8	0.4	184.67	0.1
GIZZARD SHAD	1977	5	1.2	144.76	0.3	0	0.0	0.00	0.0	5	0.3	144.76	0.3
	1978	69	23.3	475.40	2.4	0	0.0	0.00	0.0	69	16.9	475.40	2.4
	1979	0	0.0	0.00	0.0	1	0.7	0.40	0.4	1	0.3	0.40	0.0
	1981	1	0.4	265.00	0.4	0	0.0	0.00	0.0	1	0.3	265.00	0.4
	1982	3	3.0	184.83	0.5	0	0.0	0.00	0.0	3	2.4	184.83	0.5
	1983	1	0.7	240.00	0.6	0	0.0	0.00	0.0	1	0.6	240.00	0.6
	1986	1	0.4	3.87	0.0	0	0.0	0.00	0.0	1	0.3	3.87	0.0
	1987	18	6.6	2063.00	7.7	1	1.4	18.27	7.4	19	5.5	2081.27	7.7
	1988	90	22.6	1516.38	7.6	0	0.0	0.00	0.0	90	19.6	1516.38	7.4
	TOTAL	188	8.0	4893.24	1.6	2	0.1	18.67	0.9	190	4.6	4911.91	1.6
CRASS PICKEREL	1977	1	0.2	53.00	0.1	0	0.0	0.00	0.0	1	0.1	53.00	0.1
	1985	1	0.3	150.00	0.4	0	0.0	0.00	0.0	1	0.1	150.00	0.4
	1986	1	0.4	6.21	0.0	0	0.0	0.00	0.0	1	0.3	6.21	0.0
	TOTAL	3	0.3	209.21	0.2	0	0.0	0.00	0.0	3	0.1	209.21	0.2
NORTHERN PIKE	1977	1	0.2	58.00	0.1	0	0.0	0.00	0.0	1	0.1	58.00	0.1
	1978	1	0.3	530.00	2.7	0	0.0	0.00	0.0	1	0.2	530.00	2.7
	1979	1	0.5	41.00	0.2	0	0.0	0.00	0.0	1	0.3	41.00	0.2
	1981	1	0.4	682.00	1.1	0	0.0	0.00	0.0	1	0.3	682.00	1.1
	1983	1	0.7	1230.00	2.9	0	0.0	0.00	0.0	1	0.6	1230.00	2.9
	TOTAL	5	0.4	2541.00	1.3	0	0.0	0.00	0.0	5	0.2	2541.00	1.3
CENTRAL STONEROLLER	1986	1	0.4	1.02	0.0	0	0.0	0.00	0.0	1	0.3	1.02	0.0
	TOTAL	1	0.4	1.02	0.0	0	0.0	0.00	0.0	1	0.3	1.02	0.0
CARP	1977	12	2.8	8267.79	16.4	2	0.2	49.93	6.2	14	0.9	8317.72	16.3
	1978	3	1.0	2003.00	10.2	0	0.0	0.00	0.0	3	0.7	2003.00	10.2
	1979	2	1.0	3960.00	15.8	0	0.0	0.00	0.0	2	0.6	3960.00	15.8
	1981	11	4.1	5090.00	8.0	0	0.0	0.00	0.0	11	3.1	5090.00	8.0
	1982	2	2.0	1315.00	3.6	0	0.0	0.00	0.0	2	1.6	1315.00	3.6
	1983	9	6.7	3201.14	7.7	0	0.0	0.00	0.0	9	5.4	3201.14	7.7
	1984	1	0.6	590.00	1.5	0	0.0	0.00	0.0	1	0.4	590.00	1.5
	1985	1	0.3	4082.00	11.2	0	0.0	0.00	0.0	1	0.1	4082.00	11.1
	1986	1	0.4	3084.00	12.5	0	0.0	0.00	0.0	1	0.3	3084.00	12.4
	1987	2	0.7	1840.00	6.9	0	0.0	0.00	0.0	2	0.6	1840.00	6.8
	1988	5	1.3	1386.80	6.9	0	0.0	0.00	0.0	5	1.1	1386.80	6.8
	TOTAL	49	1.7	34819.73	9.1	2	0.1	49.93	1.8	51	0.9	34869.66	9.0
SILVERJAW MINNOW	1978	0	0.0	0.00	0.0	1	0.9	0.51	0.8	1	0.2	0.51	0.0
	1979	0	0.0	0.00	0.0	1	0.7	0.29	0.3	1	0.3	0.29	0.0
	TOTAL	0	0.0	0.00	0.0	2	0.8	0.80	0.5	2	0.3	0.80	0.0
HORNYHEAD CHUB	1977	0	0.0	0.00	0.0	2	0.2	1.51	0.2	2	0.1	1.51	0.0
	1979	0	0.0	0.00	0.0	3	2.2	1.38	1.5	3	0.9	1.38	0.0
	1984	0	0.0	0.00	0.0	1	0.9	0.34	0.2	1	0.4	0.34	0.0
	1985	0	0.0	0.00	0.0	3	0.5	2.35	0.5	3	0.3	2.35	0.0
	TOTAL	0	0.0	0.00	0.0	9	0.4	5.58	0.4	9	0.3	5.58	0.0
PALLID CHUB	1986	0	0.0	0.00	0.0	2	3.0	0.40	0.2	2	0.6	0.40	0.0
	TOTAL	0	0.0	0.00	0.0	2	3.0	0.40	0.2	2	0.6	0.40	0.0
GOLDEN SHINER	1981	1	0.4	11.00	0.0	0	0.0	0.00	0.0	1	0.3	11.00	0.0
	TOTAL	1	0.4	11.00	0.0	0	0.0	0.00	0.0	1	0.3	11.00	0.0
EMERALD SHINER	1977	1	0.2	3.87	0.0	0	0.0	0.00	0.0	1	0.1	3.87	0.0
	1984	2	1.2	7.42	0.0	0	0.0	0.00	0.0	2	0.7	7.42	0.0
	TOTAL	3	0.5	11.29	0.0	0	0.0	0.00	0.0	3	0.2	11.29	0.0
STRIPED SHINER	1977	0	0.0	0.00	0.0	26	2.2	16.50	2.1	26	1.6	16.50	0.0
	1978	1	0.3	4.61	0.0	4	3.5	1.32	2.1	5	1.2	5.93	0.0
	1979	0	0.0	0.00	0.0	44	32.1	10.02	11.1	44	13.1	10.02	0.0
	1982	0	0.0	0.00	0.0	2	8.3	3.23	8.5	2	1.6	3.23	0.0
	1983	0	0.0	0.00	0.0	12	35.3	4.18	12.2	12	7.1	4.18	0.0
	1984	0	0.0	0.00	0.0	4	3.7	1.52	0.8	4	1.5	1.52	0.0
	1985	4	1.0	2.57	0.0	31	5.3	18.82	4.0	35	3.6	21.39	0.1
	1986	1	0.4	8.67	0.0	3	4.5	3.26	1.4	4	1.3	11.93	0.0
	1987	1	0.4	0.75	0.0	2	2.7	0.03	0.0	3	0.9	0.78	0.0
	1988	33	8.3	62.72	0.3	0	0.0	0.00	0.0	33	7.2	62.72	0.3
	TOTAL	40	1.5	79.32	0.0	128	5.4	58.88	2.3	168	3.4	138.20	0.0
RED SHINER	1985	0	0.0	0.00	0.0	1	0.2	0.77	0.2	1	0.1	0.77	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.2	0.77	0.2	1	0.1	0.77	0.0
ROSYFACE SHINER	1977	10	2.3	5.61	0.0	18	1.5	7.44	0.9	28	1.7	13.05	0.0
	1978	1	0.3	4.20	0.0	84	74.3	37.33	60.3	85	20.8	41.53	0.2
	1979	0	0.0	0.00	0.0	3	2.2	0.75	0.8	3	0.9	0.75	0.0
	1982	1	1.0	0.73	0.0	0	0.0	0.00	0.0	1	0.8	0.73	0.0
	1983	0	0.0	0.00	0.0	1	2.9	0.30	0.9	1	0.6	0.30	0.0
	1985	0	0.0	0.00	0.0	50	8.5	10.04	2.2	50	5.1	10.04	0.0
	1986	6	2.4	7.57	0.0	0	0.0	0.00	0.0	6	1.9	7.57	0.0
	1987	1	0.4	1.89	0.0	0	0.0	0.00	0.0	1	0.3	1.89	0.0
	1988	3	0.8	2.70	0.0	0	0.0	0.00	0.0	3	0.7	2.70	0.0
	TOTAL	22	0.9	22.70	0.0	156	6.8	55.86	2.4	178	3.8	78.56	0.0
SPOTFIN SHINER	1977	24	5.6	112.09	0.2	191	16.1	167.59	20.9	215	13.3	279.68	0.5
	1978	18	6.1	69.37	0.4	2	1.8	5.39	8.7	20	4.9	74.76	0.4
	1979	1	0.5	3.80	0.0	55	40.1	40.95	45.4	56	16.7	44.75	0.2
	1981	9	3.3	32.23	0.1	20	22.7	18.54	7.4	29	8.1	50.77	0.1
	1982	4	4.0	15.16	0.0	4	16.7	17.79	46.8	8	6.5	32.95	0.1
	1983	3	2.2	7.69	0.0	18	52.9	29.21	84.9	21	12.5	36.90	0.1
	1984	12	7.5	32.19	0.1	95	88.8	136.26	73.7	107	39.9	168.45	0.4
	1985	26	6.8	113.24	0.3	142	24.1	81.02	17.4	168	17.3	194.26	0.5
	1986	12	4.8	25.03	0.1	5	7.5	9.73	4.2	17	5.3	34.76	0.1
	1987	63	23.1	81.39	0.3	37	50.0	20.14	8.1	100	28.8	101.53	0.4
	1988	11	2.8	31.51	0.2	0	0.0	0.00	0.0	11	2.4	31.51	0.2
	TOTAL	183	6.3	523.70	0.1	569	22.9	526.62	18.8	752	14.0	1050.32	0.3
SAND SHINER	1977	2	0.5	1.95	0.0	142	12.0	62.60	7.8	144	8.9	64.55	0.1
	1978	0	0.0	0.00	0.0	2	1.8	2.08	3.4	2	0.5	2.08	0.0
	1979	0	0.0	0.00	0.0	14	10.2	5.68	6.3	14	4.2	5.68	0.0
	1981	0	0.0	0.00	0.0	1	1.1	0.62	0.2	1	0.3	0.62	0.0
	1982	0	0.0	0.00	0.0	4	16.7	1.35	3.5	4	3.2	1.35	0.0
	1984	0	0.0	0.00	0.0	1	0.9	0.55	0.3	1	0.4	0.55	0.0
	1985	1	0.3	0.94	0.0	42	7.1	10.92	2.3	43	4.4	11.86	0.0
	1986	2	0.8	2.84	0.0	4	6.0	3.11	1.4	6	1.9	5.95	0.0
	1987	0	0.0	0.00	0.0	9	12.2	3.44	1.4	9	2.6	3.44	0.0
	1988	1	0.3	2.09	0.0	0	0.0	0.00	0.0	1	0.2	2.09	0.0
	TOTAL	6	0.2	7.82	0.0	219	9.0	90.35	3.3	225	4.3	98.17	0.0

APPENDIX D-1 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	%NO.	WT(G)	%WT	SEINING NO.	%NO.	WT(G)	%WT	TOTAL NO.	%NO.	WT(G)	%WT
REDFIN SHINER	1984	0	0.0	0.00	0.0	1	0.9	1.10	0.6	1	0.4	1.10	0.0
	1987	0	0.0	0.00	0.0	4	5.4	2.40	1.0	4	1.2	2.40	0.0
	TOTAL	0	0.0	0.00	0.0	5	2.8	3.50	0.8	5	0.8	3.50	0.0
MIMIC SHINER	1977	0	0.0	0.00	0.0	1	0.1	0.09	0.0	1	0.1	0.09	0.0
	1982	0	0.0	0.00	0.0	3	12.5	3.34	8.8	3	2.4	3.34	0.0
	1987	3	1.1	3.00	0.0	0	0.0	0.00	0.0	3	0.9	3.00	0.0
	1988	10	2.5	14.05	0.1	0	0.0	0.00	0.0	10	2.2	14.05	0.1
	TOTAL	13	1.1	17.05	0.0	4	0.3	3.43	0.2	17	0.7	20.48	0.0
SUCKERMOUTH MINNOW	1981	0	0.0	0.00	0.0	2	2.3	0.58	0.2	2	0.6	0.58	0.0
	1982	0	0.0	0.00	0.0	2	8.3	2.07	5.4	2	1.6	2.07	0.0
	1985	0	0.0	0.00	0.0	1	0.2	0.99	0.2	1	0.1	0.99	0.0
	1986	0	0.0	0.00	0.0	1	1.5	0.32	0.1	1	0.3	0.32	0.0
	TOTAL	0	0.0	0.00	0.0	6	0.8	3.96	0.4	6	0.3	3.96	0.0
BLUNTNOSE MINNOW	1977	7	1.6	25.22	0.1	264	22.2	92.79	11.6	271	16.8	118.01	0.2
	1978	7	2.4	17.12	0.1	1	0.9	0.37	0.6	8	2.0	17.49	0.1
	1979	8	4.0	24.12	0.1	4	2.9	3.78	4.2	12	3.6	27.90	0.1
	1981	2	0.7	8.53	0.0	16	18.2	14.14	5.6	18	5.0	22.67	0.0
	1982	2	2.0	3.31	0.0	3	12.5	3.54	9.3	5	4.0	6.85	0.0
	1983	2	1.5	5.56	0.0	0	0.0	0.00	0.0	2	1.2	5.56	0.0
	1984	3	1.9	4.37	0.0	1	0.9	1.46	0.8	4	1.5	5.83	0.0
	1985	21	5.5	55.48	0.2	231	39.3	156.73	33.6	252	26.0	212.21	0.6
	1986	18	7.1	28.59	0.1	39	58.2	40.15	17.5	57	17.9	68.74	0.3
	1987	10	3.7	17.20	0.1	6	8.1	3.39	1.4	16	4.6	20.59	0.1
	1988	27	6.8	55.35	0.3	0	0.0	0.00	0.0	27	5.9	55.35	0.3
	TOTAL	107	3.7	244.85	0.1	565	22.8	316.35	11.3	672	12.5	561.20	0.1
BULLHEAD MINNOW	1977	32	7.5	75.06	0.1	112	9.4	102.26	12.8	144	8.9	177.32	0.3
	1978	1	0.3	2.78	0.0	0	0.0	0.00	0.0	1	0.2	2.78	0.0
	1979	2	1.0	5.75	0.0	0	0.0	0.00	0.0	2	0.6	5.75	0.0
	1981	1	0.4	8.00	0.0	11	12.5	7.70	3.1	12	3.4	15.70	0.0
	1982	0	0.0	0.00	0.0	1	4.2	0.18	0.5	1	0.8	0.18	0.0
	1984	3	1.9	12.19	0.0	1	0.9	1.10	0.6	4	1.5	13.29	0.0
	1985	2	0.5	12.44	0.0	7	1.2	12.29	2.6	9	0.9	24.73	0.1
	1986	1	0.4	1.87	0.0	0	0.0	0.00	0.0	1	0.3	1.87	0.0
	1987	1	0.4	1.04	0.0	0	0.0	0.00	0.0	1	0.3	1.04	0.0
	TOTAL	43	1.8	119.13	0.0	132	5.5	123.53	5.2	175	3.7	242.66	0.1
CREEK CHUB	1982	0	0.0	0.00	0.0	1	4.2	0.54	1.4	1	0.8	0.54	0.0
	TOTAL	0	0.0	0.00	0.0	1	4.2	0.54	1.4	1	0.8	0.54	0.0
UNIDENTIFIED MINNOWS	1977	0	0.0	0.00	0.0	344	29.0	24.79	3.1	344	21.3	24.79	0.0
	1983	0	0.0	0.00	0.0	1	2.9	0.07	0.2	1	0.6	0.07	0.0
	TOTAL	0	0.0	0.00	0.0	345	28.3	24.86	3.0	345	19.4	24.86	0.0
RIVER CARPSUCKER	1977	0	0.0	0.00	0.0	1	0.1	2.15	0.3	1	0.1	2.15	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.1	2.15	0.3	1	0.1	2.15	0.0
QUILLBACK	1977	2	0.5	412.48	0.8	0	0.0	0.00	0.0	2	0.1	412.48	0.8
	1978	3	1.0	2215.00	11.3	0	0.0	0.00	0.0	3	0.7	2215.00	11.3
	1979	3	1.5	1065.00	4.3	0	0.0	0.00	0.0	3	0.9	1065.00	4.2
	1981	4	1.5	1520.00	2.4	0	0.0	0.00	0.0	4	1.1	1520.00	2.4
	1982	1	1.0	320.00	0.9	0	0.0	0.00	0.0	1	0.8	320.00	0.9
	1983	17	12.7	9194.00	22.0	0	0.0	0.00	0.0	17	10.1	9194.00	22.0
	1984	11	6.8	6605.00	16.5	0	0.0	0.00	0.0	11	4.1	6605.00	16.4
	1985	8	2.1	2973.00	8.2	0	0.0	0.00	0.0	8	0.8	2973.00	8.1
	1986	2	0.8	1320.00	5.3	0	0.0	0.00	0.0	2	0.6	1320.00	5.3
	1987	5	1.8	2905.00	10.9	0	0.0	0.00	0.0	5	1.4	2905.00	10.8
	1988	1	0.3	908.00	4.5	0	0.0	0.00	0.0	1	0.2	908.00	4.5
	TOTAL	57	2.0	29437.48	7.7	0	0.0	0.00	0.0	57	1.1	29437.48	7.6
WHITE SUCKER	1979	2	1.0	741.00	3.0	0	0.0	0.00	0.0	2	0.6	741.00	2.9
	1981	1	0.4	500.00	0.8	0	0.0	0.00	0.0	1	0.3	500.00	0.8
	1983	3	2.2	1255.00	3.0	0	0.0	0.00	0.0	3	1.8	1255.00	3.0
	1985	1	0.3	151.00	0.4	0	0.0	0.00	0.0	1	0.1	151.00	0.4
	TOTAL	7	0.7	2647.00	1.6	0	0.0	0.00	0.0	7	0.4	2647.00	1.6
NORTHERN HOGSUCKER	1977	1	0.2	324.00	0.6	0	0.0	0.00	0.0	1	0.1	324.00	0.6
	1978	1	0.3	625.00	3.2	0	0.0	0.00	0.0	1	0.2	625.00	3.2
	1979	3	1.5	1088.00	4.3	0	0.0	0.00	0.0	3	0.9	1088.00	4.3
	1981	2	0.7	1710.00	2.7	0	0.0	0.00	0.0	2	0.6	1710.00	2.7
	1982	3	3.0	1080.00	3.0	0	0.0	0.00	0.0	3	2.4	1080.00	3.0
	1983	6	4.5	1149.00	2.8	0	0.0	0.00	0.0	6	3.6	1149.00	2.7
	1984	7	4.3	3042.00	7.6	0	0.0	0.00	0.0	7	2.6	3042.00	7.6
	1985	3	0.8	1038.82	2.9	0	0.0	0.00	0.0	3	0.3	1038.82	2.8
	1986	5	2.0	948.00	3.8	0	0.0	0.00	0.0	5	1.6	948.00	3.8
	1987	1	0.4	370.00	1.4	0	0.0	0.00	0.0	1	0.3	370.00	1.4
	1988	3	0.8	740.40	3.7	0	0.0	0.00	0.0	3	0.7	740.40	3.6
	TOTAL	35	1.2	12115.22	3.2	0	0.0	0.00	0.0	35	0.7	12115.22	3.1
SMALLMOUTH BUFFALO	1977	1	0.2	570.00	1.1	0	0.0	0.00	0.0	1	0.1	570.00	1.1
	TOTAL	1	0.2	570.00	1.1	0	0.0	0.00	0.0	1	0.1	570.00	1.1
BIGMOUTH BUFFALO	1983	1	0.7	3405.00	8.1	0	0.0	0.00	0.0	1	0.6	3405.00	8.1
	TOTAL	1	0.7	3405.00	8.1	0	0.0	0.00	0.0	1	0.6	3405.00	8.1
SPOTTED SUCKER	1977	1	0.2	3.87	0.0	0	0.0	0.00	0.0	1	0.1	3.87	0.0
	TOTAL	1	0.2	3.87	0.0	0	0.0	0.00	0.0	1	0.1	3.87	0.0
SILVER REDHORSE	1977	7	1.6	1311.00	2.6	2	0.2	9.86	1.2	9	0.6	1320.86	2.6
	1978	5	1.7	3119.00	15.9	0	0.0	0.00	0.0	5	1.2	3119.00	15.9
	1979	9	4.5	4927.00	19.7	2	1.5	3.00	3.3	11	3.3	4930.00	19.6
	1981	17	6.3	10965.00	17.2	0	0.0	0.00	0.0	17	4.7	10965.00	17.1
	1982	17	17.0	15116.00	41.6	0	0.0	0.00	0.0	17	13.7	15116.00	41.6
	1983	6	4.5	5045.00	12.1	0	0.0	0.00	0.0	6	3.6	5045.00	12.1
	1984	12	7.5	14195.00	35.5	0	0.0	0.00	0.0	12	4.5	14195.00	35.3
	1986	1	0.4	55.00	0.2	0	0.0	0.00	0.0	1	0.3	55.00	0.2
	1988	5	1.3	232.89	1.2	0	0.0	0.00	0.0	5	1.1	232.89	1.1
	TOTAL	79	3.5	54965.89	17.1	4	0.2	12.86	0.6	83	2.0	54978.75	17.0
RIVER REDHORSE	1977	23	5.4	1519.00	3.0	0	0.0	0.00	0.0	23	1.4	1519.00	3.0
	1978	1	0.3	144.00	0.7	0	0.0	0.00	0.0	1	0.2	144.00	0.7
	1979	12	6.1	287.00	1.1	0	0.0	0.00	0.0	12	3.6	287.00	1.1
	1981	4	1.5	502.00	0.8	0	0.0	0.00	0.0	4	1.1	502.00	0.8
	1982	1	1.0	880.00	2.4	0	0.0	0.00	0.0	1	0.8	880.00	2.4
	1983	1	0.7	46.00	0.1	0	0.0	0.00	0.0	1	0.6	46.00	0.1
	1984	1	0.6	35.00	0.1	0	0.0	0.00	0.0	1	0.4	35.00	0.1
	1985	1	0.3	64.00	0.2	0	0.0	0.00	0.0	1	0.1	64.00	0.2
	1986	34	13.5	2063.61	8.3	1	1.5	21.00	9.1	35	11.0	2084.61	8.4
	1987	3	1.1	422.00	1.6	0	0.0	0.00	0.0	3	0.9	422.00	1.6
	1988	2	0.5	1078.25	5.4	0	0.0	0.00	0.0	2	0.4	1078.25	5.3
	TOTAL	83	2.9	7040.86	1.8	1	0.0	21.00	0.8	84	1.6	7061.86	1.8

APPENDIX D-1 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	%NO.	WT(G)	%WT	SEINING NO.	%NO.	WT(G)	%WT	TOTAL NO.	%NO.	WT(G)	%WT
BLACK REDHORSE	1985	2	0.5	640.00	1.8	0	0.0	0.00	0.0	2	0.2	640.00	1.7
	TOTAL	2	0.5	640.00	1.8	0	0.0	0.00	0.0	2	0.2	640.00	1.7
GOLDEN REDHORSE	1977	75	17.6	18989.61	37.7	1	0.1	55.00	6.9	76	4.7	19044.61	37.3
	1978	25	8.4	2310.00	11.8	0	0.0	0.00	0.0	25	6.1	2310.00	11.8
	1979	17	8.6	3771.00	15.1	0	0.0	0.00	0.0	17	5.1	3771.00	15.0
	1981	50	18.5	5266.80	8.3	0	0.0	0.00	0.0	50	14.0	5266.80	8.2
	1982	20	20.0	7025.00	19.3	0	0.0	0.00	0.0	20	16.1	7025.00	19.3
	1983	30	22.4	10257.00	24.5	0	0.0	0.00	0.0	30	17.9	10257.00	24.5
	1984	58	36.0	9860.92	24.6	0	0.0	0.00	0.0	58	21.6	9860.92	24.5
	1985	33	8.6	3791.24	10.4	27	4.6	60.66	13.0	60	6.2	3851.90	10.4
	1986	70	27.8	8978.77	36.3	4	6.0	37.40	16.3	74	23.2	9016.17	36.1
	1987	50	18.3	6456.72	24.2	0	0.0	0.00	0.0	50	14.4	6456.72	24.0
	1988	23	5.8	5765.49	28.9	0	0.0	0.00	0.0	23	5.0	5765.49	28.3
	TOTAL	451	15.6	82472.55	21.4	32	1.3	153.06	5.5	483	9.0	82625.61	21.3
SHORTHEAD REDHORSE	1977	70	16.4	9553.81	19.0	0	0.0	0.00	0.0	70	4.3	9553.81	18.7
	1978	24	8.1	867.00	4.4	0	0.0	0.00	0.0	24	5.9	867.00	4.4
	1979	3	1.5	164.00	0.7	0	0.0	0.00	0.0	3	0.9	164.00	0.7
	1981	58	21.5	23050.00	36.2	0	0.0	0.00	0.0	58	16.2	23050.00	36.1
	1982	7	7.0	4290.00	11.8	0	0.0	0.00	0.0	7	5.6	4290.00	11.8
	1983	3	2.2	574.00	1.4	0	0.0	0.00	0.0	3	1.8	574.00	1.4
	1984	6	3.7	313.00	0.8	0	0.0	0.00	0.0	6	2.2	313.00	0.8
	1985	7	1.8	2239.57	6.1	4	0.7	6.77	1.5	11	1.1	2246.34	6.1
	1986	13	5.2	1851.30	7.5	0	0.0	0.00	0.0	13	4.1	1851.30	7.4
	1987	4	1.5	2350.00	8.8	0	0.0	0.00	0.0	4	1.2	2350.00	8.7
	1988	27	6.8	1201.75	6.0	0	0.0	0.00	0.0	27	5.9	1201.75	5.9
	TOTAL	222	7.7	46454.43	12.1	4	0.2	6.77	0.2	226	4.2	46461.20	12.0
UNIDENTIFIED REDHORSE	1977	9	2.1	21.79	0.0	11	0.9	20.19	2.5	20	1.2	41.98	0.1
	1978	1	0.3	1.09	0.0	7	6.2	4.63	7.5	8	2.0	5.72	0.0
	1979	0	0.0	0.00	0.0	1	0.7	0.23	0.3	1	0.3	0.23	0.0
	1981	0	0.0	0.00	0.0	15	17.0	5.09	2.0	15	4.2	5.09	0.0
	TOTAL	10	0.8	22.88	0.0	34	2.2	30.14	2.5	44	1.6	53.02	0.0
YELLOW BULLHEAD	1985	2	0.5	242.00	0.7	0	0.0	0.00	0.0	2	0.2	242.00	0.7
	1986	1	0.4	30.00	0.1	0	0.0	0.00	0.0	1	0.3	30.00	0.1
	TOTAL	3	0.5	272.00	0.4	0	0.0	0.00	0.0	3	0.2	272.00	0.4
CHANNEL CATFISH	1977	3	0.7	309.00	0.6	0	0.0	0.00	0.0	3	0.2	309.00	0.6
	1978	1	0.3	435.00	2.2	0	0.0	0.00	0.0	1	0.2	435.00	2.2
	1979	3	1.5	768.00	3.1	0	0.0	0.00	0.0	3	0.9	768.00	3.1
	1981	3	1.1	3040.00	4.8	1	1.1	0.22	0.1	4	1.1	3040.22	4.8
	1986	1	0.4	380.00	1.5	0	0.0	0.00	0.0	1	0.3	380.00	1.5
	TOTAL	11	0.8	4932.00	2.7	1	0.1	0.22	0.0	12	0.4	4932.22	2.7
STONECAT	1977	3	0.7	53.00	0.1	0	0.0	0.00	0.0	3	0.2	53.00	0.1
	1978	2	0.7	33.00	0.2	0	0.0	0.00	0.0	2	0.5	33.00	0.2
	1981	1	0.4	40.00	0.1	0	0.0	0.00	0.0	1	0.3	40.00	0.1
	1984	1	0.6	19.00	0.0	0	0.0	0.00	0.0	1	0.4	19.00	0.0
	1985	1	0.3	19.46	0.1	0	0.0	0.00	0.0	1	0.1	19.46	0.1
	1987	1	0.4	7.36	0.0	0	0.0	0.00	0.0	1	0.3	7.36	0.0
	TOTAL	9	0.5	171.82	0.1	0	0.0	0.00	0.0	9	0.2	171.82	0.1
BLACKSTRIPE TOPMINNOW	1977	0	0.0	0.00	0.0	1	0.1	0.40	0.0	1	0.1	0.40	0.0
	1985	0	0.0	0.00	0.0	1	0.2	0.01	0.0	1	0.1	0.01	0.0
	1987	0	0.0	0.00	0.0	1	1.4	0.14	0.1	1	0.3	0.14	0.0
	1988	0	0.0	0.00	0.0	2	3.3	0.76	0.2	2	0.4	0.76	0.0
	TOTAL	0	0.0	0.00	0.0	5	0.3	1.31	0.1	5	0.1	1.31	0.0
BROOK SILVERSIDE	1977	0	0.0	0.00	0.0	8	0.7	4.77	0.6	8	0.5	4.77	0.0
	1985	0	0.0	0.00	0.0	8	1.4	1.98	0.4	8	0.8	1.98	0.0
	1988	3	0.8	4.27	0.0	1	1.6	0.44	0.1	4	0.9	4.71	0.0
	TOTAL	3	0.2	4.27	0.0	17	0.9	7.19	0.4	20	0.7	11.46	0.0
ROCK BASS	1977	39	9.2	2171.91	4.3	8	0.7	64.90	8.1	47	2.9	2236.81	4.4
	1978	20	6.8	742.00	3.8	0	0.0	0.00	0.0	20	4.9	742.00	3.8
	1979	24	12.1	1576.00	6.3	0	0.0	0.00	0.0	24	7.2	1576.00	6.3
	1981	32	11.9	3460.00	5.4	0	0.0	0.00	0.0	32	8.9	3460.00	5.4
	1982	8	8.0	540.00	1.5	0	0.0	0.00	0.0	8	6.5	540.00	1.5
	1983	8	6.0	861.00	2.1	0	0.0	0.00	0.0	8	4.8	861.00	2.1
	1984	5	3.1	655.00	1.6	0	0.0	0.00	0.0	5	1.9	655.00	1.6
	1985	93	24.3	4144.49	11.4	0	0.0	0.00	0.0	93	9.6	4144.49	11.2
	1986	20	7.9	2197.65	8.9	1	1.5	96.00	41.8	21	6.6	2293.65	9.2
	1987	27	9.9	2252.89	8.4	0	0.0	0.00	0.0	27	7.8	2252.89	8.4
	1988	23	5.8	2402.84	12.0	7	11.5	26.00	6.6	30	6.5	2428.84	11.9
	TOTAL	299	10.3	21003.78	5.5	16	0.6	186.90	6.7	315	5.9	21190.68	5.5
GREEN SUNFISH	1977	8	1.9	91.42	0.2	3	0.3	27.52	3.4	11	0.7	118.94	0.2
	1978	9	3.0	157.00	0.8	0	0.0	0.00	0.0	9	2.2	157.00	0.8
	1979	9	4.5	207.00	0.8	0	0.0	0.00	0.0	9	2.7	207.00	0.8
	1981	6	2.2	137.00	0.2	0	0.0	0.00	0.0	6	1.7	137.00	0.2
	1982	1	1.0	30.00	0.1	0	0.0	0.00	0.0	1	0.8	30.00	0.1
	1983	1	0.7	11.00	0.0	0	0.0	0.00	0.0	1	0.6	11.00	0.0
	1984	2	1.2	43.00	0.1	0	0.0	0.00	0.0	2	0.7	43.00	0.1
	1985	15	3.9	317.01	0.9	0	0.0	0.00	0.0	15	1.5	317.01	0.9
	1987	3	1.1	4.59	0.0	1	1.4	0.02	0.0	4	1.2	4.61	0.0
	1988	0	0.0	0.00	0.0	4	6.6	66.56	16.9	4	0.9	66.56	0.3
	TOTAL	54	2.0	998.02	0.3	8	0.3	94.10	3.7	62	1.2	1092.12	0.3
ORANGESPOTTED SUNFISH	1979	1	0.5	9.00	0.0	0	0.0	0.00	0.0	1	0.3	9.00	0.0
	1981	3	1.1	14.00	0.0	4	4.5	14.29	5.7	7	2.0	28.29	0.0
	1982	0	0.0	0.00	0.0	1	4.2	0.21	0.6	1	0.8	0.21	0.0
	1985	8	2.1	37.42	0.1	0	0.0	0.00	0.0	8	0.8	37.42	0.1
	1986	4	1.6	31.31	0.1	0	0.0	0.00	0.0	4	1.3	31.31	0.1
	TOTAL	16	1.3	91.73	0.0	5	0.6	14.50	1.3	21	1.0	106.23	0.1
BLUEGILL	1977	0	0.0	0.00	0.0	13	1.1	1.92	0.2	13	0.8	1.92	0.0
	1978	10	3.4	91.00	0.5	0	0.0	0.00	0.0	10	2.4	91.00	0.5
	1981	0	0.0	0.00	0.0	1	1.1	2.72	1.1	1	0.3	2.72	0.0
	1985	0	0.0	0.00	0.0	25	4.3	2.71	0.6	25	2.6	2.71	0.0
	1986	2	0.8	26.00	0.1	0	0.0	0.00	0.0	2	0.6	26.00	0.1
	1987	1	0.4	15.00	0.1	1	1.4	0.08	0.0	2	0.6	15.08	0.1
	1988	2	0.5	47.00	0.2	0	0.0	0.00	0.0	2	0.4	47.00	0.2
	TOTAL	15	0.7	179.00	0.1	40	1.8	7.43	0.3	55	1.2	186.43	0.1
NORTHERN LONGEAR SUNFISH	1977	16	3.8	257.69	0.5	0	0.0	0.00	0.0	16	1.0	257.69	0.5
	TOTAL	16	3.8	257.69	0.5	0	0.0	0.00	0.0	16	1.0	257.69	0.5
LONGEAR SUNFISH	1977	7	1.6	87.83	0.2	9	0.8	3.25	0.4	16	1.0	91.08	0.2
	1978	38	12.8	745.64	3.8	0	0.0	0.00	0.0	38	9.3	745.64	3.8
	1979	39	19.7	665.03	2.7	0	0.0	0.00	0.0	39	11.6	665.03	2.6
	1981	17	6.3	448.00	0.7	2	2.3	2.45	1.0	19	5.3	450.45	0.7
	1982	3	3.0	90.00	0.2	0	0.0	0.00	0.0	3	2.4	90.00	0.2
	1983	2	1.5	53.00	0.1	0	0.0	0.00	0.0	2	1.2	53.00	0.1
	1985	28	7.3	408.29	1.3	2	0.3	43.25	9.3	30	3.1	531.54	1.4
	1986	16	6.3	221.72	0.9	1	1.5	2.60	1.2	17	5.3	224.40	0.9
	1987	27	9.9	434.06	1.6	9	12.2	177.06	71.9	36	10.4	611.92	2.3
	1988	15	3.8	259.78	1.3	5	8.2	70.44	17.8	20	4.3	330.22	1.6
	TOTAL	192	7.0	3493.35	1.0	28	1.2	299.93	11.5	220	4.3	3793.28	1.1

APPENDIX D-1 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	ELECTROFISHING %NO.	ELECTROFISHING WT(G)	ELECTROFISHING %WT	SEINING NO.	SEINING %NO.	SEINING WT(G)	SEINING %WT	TOTAL NO.	TOTAL %NO.	TOTAL WT(G)	TOTAL %WT
GREEN SUNFISH HYBRID	1981	1	0.4	10.00	0.0	0	0.0	0.00	0.0	1	0.3	10.00	0.0
	TOTAL	1	0.4	10.00	0.0	0	0.0	0.00	0.0	1	0.3	10.00	0.0
UNIDENTIFIED SUNFISH	1981	0	0.0	0.00	0.0	1	1.1	0.08	0.0	1	0.3	0.08	0.0
	1982	0	0.0	0.00	0.0	1	4.2	0.05	0.1	1	0.8	0.05	0.0
	TOTAL	0	0.0	0.00	0.0	2	1.8	0.13	0.0	2	0.4	0.13	0.0
SMALLMOUTH BASS	1977	51	12.0	5357.10	10.6	2	0.2	11.75	1.5	53	3.3	5368.85	10.5
	1978	51	17.2	4993.47	25.5	0	0.0	0.00	0.0	51	12.5	4993.47	25.4
	1979	51	25.8	5504.84	22.0	1	0.7	3.95	4.4	52	15.5	5508.79	21.9
	1981	32	11.9	5066.00	8.0	2	2.3	11.43	4.6	34	9.5	5077.43	7.9
	1982	27	27.0	5452.00	15.0	2	8.3	5.74	15.1	29	23.4	5457.74	15.0
	1983	39	29.1	5150.72	12.3	0	0.0	0.00	0.0	39	23.2	5150.72	12.3
	1984	36	22.4	4576.00	11.4	1	0.9	42.00	22.7	37	13.8	4618.00	11.5
	1985	124	32.4	15825.92	43.5	12	2.0	55.69	12.0	136	14.0	15881.61	43.1
	1986	38	15.1	3422.43	13.8	1	1.5	12.69	5.5	39	12.2	3435.12	13.8
	1987	50	18.3	7455.93	27.9	0	0.0	0.00	0.0	50	14.4	7455.93	27.7
	1988	94	23.6	4099.59	20.5	42	68.9	230.52	58.4	136	29.6	4330.11	21.3
	TOTAL	593	20.5	66904.00	17.4	63	2.5	373.77	13.4	656	12.2	67277.77	17.4
LARGEMOUTH BASS	1977	5	1.2	137.00	0.3	1	0.1	14.62	1.8	6	0.4	151.62	0.3
	1978	3	1.0	10.53	0.1	2	1.8	5.53	8.9	5	1.2	16.06	0.1
	1979	2	1.0	16.80	0.1	1	0.7	2.56	2.8	3	0.9	19.36	0.1
	1981	2	0.7	365.00	0.6	0	0.0	0.00	0.0	2	0.6	365.00	0.6
	1983	1	0.7	95.00	0.2	0	0.0	0.00	0.0	1	0.6	95.00	0.2
	1986	1	0.4	19.00	0.1	0	0.0	0.00	0.0	1	0.3	19.00	0.1
	1987	1	0.4	5.30	0.0	3	4.1	21.44	8.7	4	1.2	26.74	0.1
	TOTAL	15	0.8	648.63	0.3	7	0.4	44.15	2.6	22	0.6	692.78	0.3
WHITE CRAPPIE	1977	0	0.0	0.00	0.0	6	0.5	2.69	0.3	6	0.4	2.69	0.0
	1978	0	0.0	0.00	0.0	4	3.5	2.76	4.5	4	1.0	2.76	0.0
	1979	2	1.0	101.00	0.4	2	1.5	1.92	2.1	4	1.2	102.92	0.4
	1981	7	2.6	877.00	1.4	4	4.5	166.00	66.1	11	3.1	1043.00	1.6
	1984	1	0.6	43.00	0.1	0	0.0	0.00	0.0	1	0.4	43.00	0.1
	TOTAL	10	0.7	1021.00	0.5	16	1.0	173.37	12.5	26	0.9	1194.37	0.6
BLACK CRAPPIE	1977	3	0.7	49.03	0.1	16	1.3	54.34	6.8	19	1.2	103.37	0.2
	1979	1	0.5	31.00	0.1	4	2.9	3.58	4.0	5	1.5	34.58	0.1
	1981	2	0.7	237.00	0.4	8	9.1	7.11	2.8	10	2.8	244.11	0.4
	TOTAL	6	0.7	317.03	0.2	28	2.0	65.03	5.7	34	1.5	382.06	0.3
JOHNNY DARTER	1977	1	0.2	1.16	0.0	3	0.3	1.75	0.2	4	0.2	2.91	0.0
	1978	0	0.0	0.00	0.0	6	5.3	1.99	3.2	6	1.5	1.99	0.0
	1983	0	0.0	0.00	0.0	2	5.9	0.64	1.9	2	1.2	0.64	0.0
	1984	0	0.0	0.00	0.0	2	1.9	0.63	0.3	2	0.7	0.63	0.0
	1986	0	0.0	0.00	0.0	4	6.0	1.04	0.5	4	1.3	1.04	0.0
	TOTAL	1	0.1	1.16	0.0	17	1.1	6.05	0.5	18	0.6	7.21	0.0
BANDED DARTER	1988	4	1.0	3.42	0.0	0	0.0	0.00	0.0	4	0.9	3.42	0.0
	TOTAL	4	1.0	3.42	0.0	0	0.0	0.00	0.0	4	0.9	3.42	0.0
LOG PERCH	1987	1	0.4	3.06	0.0	0	0.0	0.00	0.0	1	0.3	3.06	0.0
	1988	9	2.3	32.12	0.2	0	0.0	0.00	0.0	9	2.0	32.12	0.2
	TOTAL	10	1.5	35.18	0.1	0	0.0	0.00	0.0	10	1.2	35.18	0.1
BLACKSIDE DARTER	1978	1	0.3	2.08	0.0	0	0.0	0.00	0.0	1	0.2	2.08	0.0
	1988	1	0.3	1.19	0.0	0	0.0	0.00	0.0	1	0.2	1.19	0.0
	TOTAL	2	0.3	3.27	0.0	0	0.0	0.00	0.0	2	0.2	3.27	0.0
SLENDERHEAD DARTER	1985	0	0.0	0.00	0.0	1	0.2	0.80	0.2	1	0.1	0.80	0.0
	1986	0	0.0	0.00	0.0	1	1.5	1.96	0.9	1	0.3	1.96	0.0
	1988	3	0.8	12.15	0.1	0	0.0	0.00	0.0	3	0.7	12.15	0.1
	TOTAL	3	0.3	12.15	0.0	2	0.3	2.76	0.3	5	0.3	14.91	0.0
WALLEYE	1977	6	1.4	337.00	0.7	0	0.0	0.00	0.0	6	0.4	337.00	0.7
	1979	2	1.0	59.00	0.2	0	0.0	0.00	0.0	2	0.6	59.00	0.2
	1981	1	0.4	382.00	0.6	0	0.0	0.00	0.0	1	0.3	382.00	0.6
	TOTAL	9	1.0	778.00	0.6	0	0.0	0.00	0.0	9	0.4	778.00	0.6

APPENDIX D-2 . TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	%NO.	WT(G)	%WT	SEINING NO.	%NO.	WT(G)	%WT	TOTAL NO.	%NO.	WT(G)	%WT
LONGNOSE GAR	1977	1	0.6	81.00	0.7	0	0.0	0.00	0.0	1	0.1	81.00	0.7
	1979	1	1.4	1940.00	9.7	0	0.0	0.00	0.0	1	0.4	1940.00	9.6
	1985	1	0.5	15.00	0.1	0	0.0	0.00	0.0	1	0.1	15.00	0.1
	1986	1	0.5	2.00	0.0	0	0.0	0.00	0.0	1	0.4	2.00	0.0
	1988	2	0.8	58.00	0.4	2	1.1	27.16	3.6	4	0.9	85.16	0.6
	TOTAL	6	0.7	2096.00	2.6	2	0.1	27.16	1.1	8	0.3	2123.16	2.5
GIZZARD SHAD	1977	1	0.6	30.00	0.3	0	0.0	0.00	0.0	1	0.1	30.00	0.2
	1978	74	50.7	489.68	3.3	0	0.0	0.00	0.0	74	35.1	489.68	3.3
	1981	2	1.6	10.64	0.0	0	0.0	0.00	0.0	2	1.1	10.64	0.0
	1985	5	2.3	50.20	0.4	0	0.0	0.00	0.0	5	0.7	50.20	0.4
	1986	7	3.6	882.10	3.7	0	0.0	0.00	0.0	7	2.6	882.10	3.7
	1987	11	6.4	237.30	1.8	0	0.0	0.00	0.0	11	3.5	237.30	1.8
	1988	74	29.6	2436.20	18.5	0	0.0	0.00	0.0	74	17.1	2436.20	17.5
	TOTAL	174	13.7	4136.12	3.5	0	0.0	0.00	0.0	174	5.6	4136.12	3.4
GRASS PICKEREL	1981	1	0.8	64.00	0.2	0	0.0	0.00	0.0	1	0.6	64.00	0.2
	1984	3	1.5	36.00	0.2	0	0.0	0.00	0.0	3	1.2	36.00	0.2
	1985	1	0.5	66.00	0.5	0	0.0	0.00	0.0	1	0.1	66.00	0.5
	1986	2	1.0	31.00	0.1	0	0.0	0.00	0.0	2	0.8	31.00	0.1
	1987	1	0.6	16.00	0.1	1	0.7	14.53	5.2	2	0.6	30.53	0.2
	TOTAL	8	0.9	213.00	0.2	1	0.1	14.53	1.0	9	0.5	227.53	0.2
NORTHERN PIKE	1981	1	0.8	860.00	3.0	0	0.0	0.00	0.0	1	0.6	860.00	3.0
	1982	1	1.8	1702.00	5.5	0	0.0	0.00	0.0	1	1.4	1702.00	5.5
	1986	1	0.5	735.00	3.1	0	0.0	0.00	0.0	1	0.4	735.00	3.1
	TOTAL	3	0.8	3297.00	4.0	0	0.0	0.00	0.0	3	0.6	3297.00	3.9
CARP	1977	1	0.6	1000.00	8.6	0	0.0	0.00	0.0	1	0.1	1000.00	8.1
	1978	3	2.1	2208.00	15.0	1	1.5	112.00	70.5	4	1.9	2320.00	15.6
	1979	3	4.3	2355.00	11.8	0	0.0	0.00	0.0	3	1.3	2355.00	11.7
	1981	8	6.5	6145.00	21.4	0	0.0	0.00	0.0	8	4.4	6145.00	21.3
	1982	16	28.6	21386.00	69.6	0	0.0	0.00	0.0	16	21.9	21386.00	69.5
	1985	1	0.5	1290.00	9.6	0	0.0	0.00	0.0	1	0.1	1290.00	9.2
	1987	1	0.6	3175.00	24.1	0	0.0	0.00	0.0	1	0.3	3175.00	23.6
	1988	8	3.2	877.00	6.7	0	0.0	0.00	0.0	8	1.8	877.00	6.3
	TOTAL	41	3.4	38436.00	26.4	1	0.1	112.00	4.0	42	1.3	38548.00	26.0
SILVERJAW MINNOW	1979	0	0.0	0.00	0.0	1	0.6	0.16	0.1	1	0.4	0.16	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.6	0.16	0.1	1	0.4	0.16	0.0
HORNYHEAD CHUB	1977	0	0.0	0.00	0.0	2	0.2	1.19	0.2	2	0.2	1.19	0.0
	1978	0	0.0	0.00	0.0	1	1.5	0.43	0.3	1	0.5	0.43	0.0
	1979	0	0.0	0.00	0.0	2	1.3	1.50	1.1	2	0.9	1.50	0.0
	1985	6	2.8	33.28	0.2	12	2.5	12.82	2.3	18	2.6	46.10	0.3
	1986	1	0.5	6.61	0.0	1	1.4	7.72	2.0	2	0.8	14.33	0.1
	1987	2	1.2	26.67	0.2	2	1.4	1.27	0.5	4	1.3	27.94	0.2
	1988	0	0.0	0.00	0.0	1	0.5	1.07	0.1	1	0.2	1.07	0.0
	TOTAL	9	0.7	66.56	0.1	21	1.1	26.00	0.9	30	1.0	92.56	0.1
EMERALD SHINER	1983	1	1.7	9.50	0.1	0	0.0	0.00	0.0	1	0.6	9.50	0.1
	TOTAL	1	1.7	9.50	0.1	0	0.0	0.00	0.0	1	0.6	9.50	0.1
STRIPED SHINER	1977	0	0.0	0.00	0.0	1	0.1	0.41	0.1	1	0.1	0.41	0.0
	1978	0	0.0	0.00	0.0	13	20.0	4.36	2.7	13	6.2	4.36	0.0
	1982	0	0.0	0.00	0.0	5	29.4	1.68	4.3	5	6.8	1.68	0.0
	1983	0	0.0	0.00	0.0	47	40.9	17.30	9.5	47	26.9	17.30	0.2
	1984	1	0.5	2.97	0.0	2	3.6	0.20	0.4	3	1.2	3.17	0.0
	1985	7	3.3	23.20	0.2	51	10.6	29.83	5.4	58	8.3	53.03	0.4
	1986	1	0.5	4.49	0.0	0	0.0	0.00	0.0	1	0.4	4.49	0.0
	1987	1	0.6	11.00	0.1	1	0.7	0.34	0.1	2	0.6	11.34	0.1
	1988	12	4.8	29.46	0.2	0	0.0	0.00	0.0	12	2.8	29.46	0.2
	TOTAL	22	1.5	71.12	0.0	120	6.1	54.12	1.7	142	4.2	125.24	0.1
RED SHINER	1984	0	0.0	0.00	0.0	1	1.8	0.45	1.0	1	0.4	0.45	0.0
	1985	1	0.5	5.28	0.0	1	0.2	0.97	0.2	2	0.3	6.25	0.0
	TOTAL	1	0.2	5.28	0.0	2	0.4	1.42	0.2	3	0.3	6.70	0.0
ROSYFACE SHINER	1977	3	1.8	1.88	0.0	40	4.9	17.92	2.5	43	4.3	19.80	0.2
	1981	1	0.8	0.98	0.0	0	0.0	0.00	0.0	1	0.6	0.98	0.0
	1983	1	1.7	0.20	0.0	0	0.0	0.00	0.0	1	0.6	0.20	0.0
	1985	0	0.0	0.00	0.0	43	8.9	15.24	2.8	43	6.2	15.24	0.1
	1986	7	3.6	11.82	0.1	0	0.0	0.00	0.0	7	2.6	11.82	0.0
	1987	1	0.6	1.42	0.0	0	0.0	0.00	0.0	1	0.3	1.42	0.0
	1988	5	2.0	5.57	0.0	33	18.0	24.12	3.2	38	8.8	29.69	0.2
	TOTAL	18	1.5	21.87	0.0	116	6.2	57.28	1.9	134	4.4	79.15	0.1
SPOTFIN SHINER	1977	28	16.8	128.18	1.1	217	26.4	256.02	36.0	245	24.7	384.20	3.1
	1978	7	4.8	24.51	0.2	3	4.6	7.69	4.8	10	4.7	32.20	0.2
	1979	1	1.4	3.82	0.0	77	49.0	65.41	47.0	78	34.4	69.23	0.3
	1981	4	3.2	10.58	0.0	15	26.3	17.59	11.6	19	10.5	28.17	0.1
	1982	10	17.9	45.66	0.1	3	17.6	10.46	26.9	13	17.8	56.12	0.2
	1983	8	13.3	28.38	0.3	20	17.4	33.58	18.5	28	16.0	61.96	0.7
	1984	3	1.5	10.78	0.1	35	63.6	31.57	70.2	38	14.9	42.35	0.2
	1985	12	5.6	55.68	0.4	92	19.1	75.64	13.7	104	14.9	131.32	0.9
	1986	17	8.8	36.86	0.2	12	16.7	21.72	5.7	29	10.9	58.58	0.2
	1987	20	11.6	26.71	0.2	35	24.1	10.69	3.8	55	17.3	37.40	0.3
	1988	8	3.2	29.29	0.2	4	2.2	11.09	1.5	12	2.8	40.38	0.3
	TOTAL	118	7.1	400.45	0.2	513	23.6	541.46	16.0	631	16.5	941.91	0.5
SAND SHINER	1977	1	0.6	0.87	0.0	111	13.5	57.68	8.1	112	11.3	58.55	0.5
	1978	0	0.0	0.00	0.0	9	13.8	2.07	1.3	9	4.3	2.07	0.0
	1979	0	0.0	0.00	0.0	38	24.2	22.98	16.5	38	16.7	22.98	0.1
	1981	1	0.8	0.36	0.0	0	0.0	0.00	0.0	1	0.6	0.36	0.0
	1983	2	3.3	2.18	0.0	9	7.8	5.66	3.1	11	6.3	7.84	0.1
	1984	1	0.5	0.46	0.0	1	1.8	0.41	0.9	2	0.8	0.87	0.0
	1985	0	0.0	0.00	0.0	42	8.7	19.58	3.5	42	6.0	19.58	0.1
	1986	0	0.0	0.00	0.0	1	1.4	2.05	0.5	1	0.4	2.05	0.0
	1987	3	1.7	2.25	0.0	16	11.0	12.69	4.5	19	6.0	14.94	0.1
	TOTAL	8	0.6	6.12	0.0	227	11.5	123.12	4.7	235	7.1	129.24	0.1
REDFIN SHINER	1977	0	0.0	0.00	0.0	1	0.1	0.11	0.0	1	0.1	0.11	0.0
	1988	0	0.0	0.00	0.0	1	0.5	1.26	0.2	1	0.2	1.26	0.0
	TOTAL	0	0.0	0.00	0.0	2	0.2	1.37	0.1	2	0.1	1.37	0.0
MIMIC SHINER	1977	0	0.0	0.00	0.0	4	0.5	1.24	0.2	4	0.4	1.24	0.0
	1985	0	0.0	0.00	0.0	2	0.4	1.76	0.3	2	0.3	1.76	0.0
	1986	0	0.0	0.00	0.0	4	5.6	3.80	1.0	4	1.5	3.80	0.0
	1987	1	0.6	0.76	0.0	24	16.6	16.48	5.9	25	7.9	17.24	0.1
	TOTAL	1	0.1	0.76	0.0	34	2.2	23.28	1.2	35	1.5	24.04	0.0

APPENDIX D-2 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	%NO.	WT(G)	%WT	SEINING NO.	%NO.	WT(G)	%WT	TOTAL NO.	%NO.	WT(G)	%WT
SUCKERMOUTH MINNOW	1978	0	0.0	0.00	0.0	2	3.1	0.51	0.3	2	0.9	0.51	0.0
	1979	0	0.0	0.00	0.0	1	0.6	0.31	0.2	1	0.4	0.31	0.0
	1982	1	1.8	1.85	0.0	3	17.6	1.50	3.9	4	5.5	3.35	0.0
	1983	2	3.3	2.15	0.0	0	0.0	0.00	0.0	2	1.1	2.15	0.0
	1985	0	0.0	0.00	0.0	5	1.0	4.35	0.8	5	0.7	4.35	0.0
	1987	1	0.6	0.88	0.0	0	0.0	0.00	0.0	1	0.3	0.88	0.0
	TOTAL	4	0.6	4.88	0.0	11	1.1	6.67	0.5	15	0.9	11.55	0.0
BLUNTNOSE MINNOW	1977	5	3.0	7.59	0.1	132	16.0	82.69	11.6	137	13.8	90.28	0.7
	1978	0	0.0	0.00	0.0	20	30.8	22.00	13.8	20	9.5	22.00	0.1
	1979	1	1.4	2.45	0.0	28	17.8	33.06	23.7	29	12.8	35.51	0.2
	1981	1	0.8	0.28	0.0	7	12.3	3.14	2.1	8	4.4	3.42	0.0
	1982	0	0.0	0.00	0.0	4	23.5	5.22	13.4	4	5.5	5.22	0.0
	1983	0	0.0	0.00	0.0	33	28.7	45.22	24.9	33	18.9	45.22	0.5
	1984	18	9.0	31.67	0.2	3	5.5	2.28	5.1	21	8.2	33.95	0.2
	1985	11	5.1	28.93	0.2	43	8.9	46.42	8.4	54	7.7	75.35	0.5
	1986	10	5.2	22.83	0.1	14	19.4	34.18	9.0	24	9.0	57.01	0.2
	1987	8	4.6	11.59	0.1	43	29.7	55.84	19.9	51	16.0	67.43	0.5
	1988	15	6.0	43.43	0.3	9	4.9	40.00	5.4	24	5.5	83.43	0.6
	TOTAL	69	4.2	148.77	0.1	336	15.5	370.05	10.9	405	10.6	518.82	0.3
BULLHEAD MINNOW	1977	31	18.6	90.61	0.8	178	21.6	215.58	30.3	209	21.1	306.19	2.5
	1978	14	9.6	41.92	0.3	2	3.1	3.66	2.3	16	7.6	45.58	0.3
	1979	2	2.9	6.06	0.0	4	2.5	6.53	4.7	6	2.6	12.59	0.1
	1981	1	0.8	5.83	0.0	8	14.0	5.50	3.6	9	5.0	11.33	0.0
	1982	0	0.0	0.00	0.0	1	5.9	0.05	0.1	1	1.4	0.05	0.0
	1983	1	1.7	2.57	0.0	3	2.6	5.08	2.8	4	2.3	7.65	0.1
	1984	2	1.0	4.00	0.0	3	5.5	6.87	15.3	5	2.0	10.87	0.1
	1985	0	0.0	0.00	0.0	61	12.7	123.12	22.3	61	8.8	123.12	0.9
	1986	0	0.0	0.00	0.0	3	4.2	4.29	1.1	3	1.1	4.29	0.0
	1987	3	1.7	4.97	0.0	4	2.8	2.99	1.1	7	2.2	7.96	0.1
	TOTAL	54	3.8	155.96	0.1	267	13.4	373.67	14.2	321	9.5	529.63	0.3
CREEK CHUB	1978	0	0.0	0.00	0.0	3	4.6	1.16	0.7	3	1.4	1.16	0.0
	TOTAL	0	0.0	0.00	0.0	3	4.6	1.16	0.7	3	1.4	1.16	0.0
UNIDENTIFIED MINNOWS	1977	0	0.0	0.00	0.0	103	12.5	5.46	0.8	103	10.4	5.46	0.0
	TOTAL	0	0.0	0.00	0.0	103	12.5	5.46	0.8	103	10.4	5.46	0.0
QUILLBACK	1977	1	0.6	450.00	3.9	0	0.0	0.00	0.0	1	0.1	450.00	3.6
	1978	3	2.1	1990.00	13.5	0	0.0	0.00	0.0	3	1.4	1990.00	13.4
	1979	2	2.9	655.00	3.3	0	0.0	0.00	0.0	2	0.9	655.00	3.2
	1981	2	1.6	765.00	2.7	0	0.0	0.00	0.0	2	1.1	765.00	2.7
	1982	2	3.6	970.00	3.2	0	0.0	0.00	0.0	2	2.7	970.00	3.2
	1983	8	13.3	3850.00	45.5	0	0.0	0.00	0.0	8	4.6	3850.00	44.5
	1984	5	2.5	3170.00	18.6	0	0.0	0.00	0.0	5	2.0	3170.00	18.5
	1985	5	2.3	2268.00	16.9	0	0.0	0.00	0.0	5	0.7	2268.00	16.2
	1986	6	3.1	3495.00	14.9	0	0.0	0.00	0.0	6	2.3	3495.00	14.6
	1987	2	1.2	1415.00	10.7	0	0.0	0.00	0.0	2	0.6	1415.00	10.5
	1988	4	1.6	3427.70	26.0	2	1.1	14.52	1.9	6	1.4	3442.22	24.7
	TOTAL	40	2.4	22455.70	11.5	2	0.1	14.52	0.4	42	1.1	22470.22	11.3
WHITE SUCKER	1981	1	0.8	25.00	0.1	0	0.0	0.00	0.0	1	0.6	25.00	0.1
	1982	1	1.8	490.00	1.6	0	0.0	0.00	0.0	1	1.4	490.00	1.6
	TOTAL	2	1.1	515.00	0.9	0	0.0	0.00	0.0	2	0.8	515.00	0.9
NORTHERN HOGSUCKER	1981	2	1.6	555.00	1.9	0	0.0	0.00	0.0	2	1.1	555.00	1.9
	1985	1	0.5	310.00	2.3	0	0.0	0.00	0.0	1	0.1	310.00	2.2
	1986	2	1.0	432.00	1.8	0	0.0	0.00	0.0	2	0.8	432.00	1.8
	1988	2	0.8	327.98	2.5	1	0.5	9.25	1.2	3	0.7	337.23	2.4
	TOTAL	7	0.9	1624.98	2.1	1	0.1	9.25	0.5	8	0.5	1634.23	2.0
SILVER REDHORSE	1977	3	1.8	927.00	7.9	0	0.0	0.00	0.0	3	0.3	927.00	7.5
	1978	6	4.1	4123.00	28.0	2	3.1	1.14	0.7	8	3.8	4124.14	27.7
	1979	5	7.1	2845.00	14.2	1	0.6	1.96	1.4	6	2.6	2846.96	14.1
	1981	13	10.5	6218.00	21.7	0	0.0	0.00	0.0	13	7.2	6218.00	21.6
	1982	2	3.6	1525.00	5.0	0	0.0	0.00	0.0	2	2.7	1525.00	5.0
	1983	3	5.0	1116.00	13.2	0	0.0	0.00	0.0	3	1.7	1116.00	12.9
	1984	9	4.5	1851.00	10.8	0	0.0	0.00	0.0	9	3.5	1851.00	10.8
	1985	1	0.5	425.00	3.2	0	0.0	0.00	0.0	1	0.1	425.00	3.0
	1986	8	4.1	3761.00	16.0	0	0.0	0.00	0.0	8	3.0	3761.00	15.7
	1988	3	1.2	13.02	0.1	0	0.0	0.00	0.0	3	0.7	13.02	0.1
	TOTAL	53	3.6	22804.02	12.6	3	0.1	3.10	0.1	56	1.6	22807.12	12.4
RIVER REDHORSE	1977	5	3.0	312.00	2.7	0	0.0	0.00	0.0	5	0.5	312.00	2.5
	1978	2	1.4	584.00	4.0	0	0.0	0.00	0.0	2	0.9	584.00	3.9
	1979	4	5.7	1362.00	6.8	0	0.0	0.00	0.0	4	1.8	1362.00	6.8
	1981	1	0.8	215.00	0.8	0	0.0	0.00	0.0	1	0.6	215.00	0.7
	1982	1	1.8	1120.00	3.6	0	0.0	0.00	0.0	1	1.4	1120.00	3.6
	1983	1	1.7	480.00	5.7	0	0.0	0.00	0.0	1	0.6	480.00	5.6
	1984	2	1.0	1480.00	8.7	0	0.0	0.00	0.0	2	0.8	1480.00	8.7
	1986	6	3.1	85.33	0.4	0	0.0	0.00	0.0	6	2.3	85.33	0.4
	TOTAL	22	2.2	5638.33	3.6	0	0.0	0.00	0.0	22	0.9	5638.33	3.6
BLACK REDHORSE	1985	1	0.5	2.35	0.0	0	0.0	0.00	0.0	1	0.1	2.35	0.0
	1986	1	0.5	38.02	0.2	0	0.0	0.00	0.0	1	0.4	38.02	0.2
	TOTAL	2	0.5	40.37	0.1	0	0.0	0.00	0.0	2	0.2	40.37	0.1
GOLDEN REDHORSE	1977	13	7.8	4143.00	35.5	0	0.0	0.00	0.0	13	1.3	4143.00	33.5
	1978	11	7.5	4344.00	29.5	0	0.0	0.00	0.0	11	5.2	4344.00	29.2
	1979	15	21.4	5027.00	25.1	0	0.0	0.00	0.0	15	6.6	5027.00	24.9
	1981	23	18.5	7912.00	27.6	0	0.0	0.00	0.0	23	12.7	7912.00	27.5
	1982	5	8.9	1212.00	3.9	0	0.0	0.00	0.0	5	6.8	1212.00	3.9
	1983	3	5.0	1055.00	12.5	0	0.0	0.00	0.0	3	1.7	1055.00	12.2
	1984	39	19.5	7848.00	46.0	0	0.0	0.00	0.0	39	15.3	7848.00	45.9
	1985	25	11.6	2905.69	21.7	95	19.7	125.54	22.8	120	17.2	3031.23	21.7
	1986	48	24.7	10135.46	43.1	1	1.4	18.02	4.8	49	18.4	10153.48	42.5
	1987	16	9.2	3931.00	29.8	0	0.0	0.00	0.0	16	5.0	3931.00	29.2
	1988	11	4.4	3137.60	23.8	0	0.0	0.00	0.0	11	2.5	3137.60	22.5
	TOTAL	209	12.6	51650.75	26.5	96	4.4	143.56	4.2	305	8.0	51794.31	26.2
SHORTHEAD REDHORSE	1977	4	2.4	754.26	6.5	0	0.0	0.00	0.0	4	0.4	754.26	6.1
	1978	2	1.4	76.00	0.5	0	0.0	0.00	0.0	2	0.9	76.00	0.5
	1979	1	1.4	600.00	3.0	0	0.0	0.00	0.0	1	0.4	600.00	3.0
	1981	5	4.0	1457.00	5.1	0	0.0	0.00	0.0	5	2.8	1457.00	5.1
	1982	1	1.8	485.00	1.6	0	0.0	0.00	0.0	1	1.4	485.00	1.6
	1984	1	0.5	43.00	0.3	0	0.0	0.00	0.0	1	0.4	43.00	0.3
	1985	5	2.3	123.05	0.9	10	2.1	20.36	3.7	15	2.2	143.41	1.0
	1986	10	5.2	1572.17	6.7	0	0.0	0.00	0.0	10	3.8	1572.17	6.6
	1988	8	3.2	252.31	1.9	0	0.0	0.00	0.0	8	1.8	252.31	1.8
	TOTAL	37	2.6	5362.79	3.1	10	0.5	20.36	0.7	47	1.4	5383.15	3.1

APPENDIX D-2 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING				SEINING				TOTAL			
		NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT
UNIDENTIFIED REDHORSE	1977	1	0.6	1.77	0.0	2	0.2	1.94	0.3	3	0.3	3.71	0.0
	1978	5	3.4	6.59	0.0	0	0.0	0.00	0.0	5	2.4	6.59	0.0
	1981	0	0.0	0.00	0.0	2	3.5	0.57	0.4	2	1.1	0.57	0.0
	1983	0	0.0	0.00	0.0	1	0.9	0.76	0.4	1	0.6	0.76	0.0
	TOTAL	6	1.2	8.36	0.0	5	0.5	3.27	0.3	11	0.7	11.63	0.0
CHANNEL CATFISH	1977	1	0.6	625.00	5.4	0	0.0	0.00	0.0	1	0.1	625.00	5.0
	1978	1	0.7	25.00	0.2	0	0.0	0.00	0.0	1	0.5	25.00	0.2
	1987	2	1.2	1530.00	11.6	0	0.0	0.00	0.0	2	0.6	1530.00	11.4
	TOTAL	4	0.8	2180.00	5.5	0	0.0	0.00	0.0	4	0.3	2180.00	5.4
STONECAT	1978	1	0.7	70.00	0.5	0	0.0	0.00	0.0	1	0.5	70.00	0.5
	1979	1	1.4	44.00	0.2	0	0.0	0.00	0.0	1	0.4	44.00	0.2
	1984	1	0.5	20.00	0.1	0	0.0	0.00	0.0	1	0.4	20.00	0.1
	1985	1	0.5	0.70	0.0	0	0.0	0.00	0.0	1	0.1	0.70	0.0
	TOTAL	4	0.6	134.70	0.2	0	0.0	0.00	0.0	4	0.3	134.70	0.2
BLACKSTRIPE TOPMINNOW	1977	0	0.0	0.00	0.0	1	0.1	0.41	0.1	1	0.1	0.41	0.0
	1983	1	1.7	1.31	0.0	1	0.9	1.92	1.1	2	1.1	3.23	0.0
	1986	2	1.0	4.53	0.0	0	0.0	0.00	0.0	2	0.8	4.53	0.0
	1987	1	0.6	2.60	0.0	0	0.0	0.00	0.0	1	0.3	2.60	0.0
	1988	0	0.0	0.00	0.0	1	0.5	0.22	0.0	1	0.2	0.22	0.0
	TOTAL	4	0.5	8.44	0.0	3	0.2	2.55	0.1	7	0.3	10.99	0.0
BROOK SILVERSIDE	1988	1	0.4	1.11	0.0	26	14.2	24.77	3.3	27	6.2	25.88	0.2
	TOTAL	1	0.4	1.11	0.0	26	14.2	24.77	3.3	27	6.2	25.88	0.2
ROCK BASS	1977	15	9.0	940.25	8.1	7	0.9	22.42	3.2	22	2.2	962.67	7.8
	1978	3	2.1	254.00	1.7	0	0.0	0.00	0.0	3	1.4	254.00	1.7
	1979	8	11.4	802.00	4.0	2	1.3	0.45	0.3	10	4.4	802.45	4.0
	1981	11	8.9	980.00	3.4	7	12.3	2.65	1.8	18	9.9	982.65	3.4
	1982	3	5.4	122.00	0.4	0	0.0	0.00	0.0	3	4.1	122.00	0.4
	1983	5	8.3	416.00	4.9	0	0.0	0.00	0.0	5	2.9	416.00	4.8
	1984	10	5.0	549.00	3.2	0	0.0	0.00	0.0	10	3.9	549.00	3.2
	1985	71	33.0	2673.69	19.9	1	0.2	14.50	2.6	72	10.3	2688.19	19.2
	1986	13	6.7	750.00	3.2	18	25.0	196.80	51.9	31	11.7	946.80	4.0
	1987	14	8.1	675.00	5.1	0	0.0	0.00	0.0	14	4.4	675.00	5.0
	1988	7	2.8	683.00	5.2	25	13.7	95.83	12.8	32	7.4	778.83	5.6
	TOTAL	160	9.7	8844.94	4.5	60	2.8	332.65	9.8	220	5.8	9177.59	4.6
GREEN SUNFISH	1977	3	1.8	27.43	0.2	0	0.0	0.00	0.0	3	0.3	27.43	0.2
	1978	1	0.7	5.00	0.0	0	0.0	0.00	0.0	1	0.5	5.00	0.0
	1981	2	1.6	4.00	0.0	1	1.8	3.70	2.5	3	1.7	7.70	0.0
	1982	1	1.8	20.00	0.1	0	0.0	0.00	0.0	1	1.4	20.00	0.1
	1983	5	8.3	56.49	0.7	0	0.0	0.00	0.0	5	2.9	56.49	0.7
	1984	20	10.0	266.51	1.6	0	0.0	0.00	0.0	20	7.8	266.51	1.6
	1986	2	1.0	6.14	0.0	1	1.4	0.03	0.0	3	1.1	6.17	0.0
	1987	3	1.7	34.67	0.3	0	0.0	0.00	0.0	3	0.9	34.67	0.3
	1988	1	0.4	16.00	0.1	0	0.0	0.00	0.0	1	0.2	16.00	0.1
	TOTAL	38	2.8	436.24	0.3	2	0.1	3.73	0.1	40	1.4	439.97	0.3
WARMOUTH	1987	1	0.6	16.00	0.1	0	0.0	0.00	0.0	1	0.3	16.00	0.1
	TOTAL	1	0.6	16.00	0.1	0	0.0	0.00	0.0	1	0.3	16.00	0.1
ORANGESPOTTED SUNFISH	1977	1	0.6	8.66	0.1	0	0.0	0.00	0.0	1	0.1	8.66	0.1
	1981	5	4.0	29.85	0.1	4	7.0	5.72	3.8	9	5.0	35.57	0.1
	1988	1	0.4	8.00	0.1	1	0.5	6.85	0.9	2	0.5	14.85	0.1
	TOTAL	7	1.3	46.51	0.1	5	0.5	12.57	0.8	12	0.7	59.08	0.1
BLUEGILL	1977	0	0.0	0.00	0.0	4	0.5	0.94	0.1	4	0.4	0.94	0.0
	1978	1	0.7	10.00	0.1	0	0.0	0.00	0.0	1	0.5	10.00	0.1
	1982	1	1.8	10.00	0.0	0	0.0	0.00	0.0	1	1.4	10.00	0.0
	1983	2	3.3	44.00	0.5	0	0.0	0.00	0.0	2	1.1	44.00	0.5
	1984	1	0.5	18.00	0.1	0	0.0	0.00	0.0	1	0.4	18.00	0.1
	1986	1	0.5	8.00	0.0	0	0.0	0.00	0.0	1	0.4	8.00	0.0
	1987	10	5.8	154.05	1.2	1	0.7	0.10	0.0	11	3.5	154.15	1.1
	TOTAL	16	1.6	244.05	0.2	5	0.4	1.04	0.1	21	0.9	245.09	0.2
NORTHERN LONGEAR SUNFISH	1977	21	12.6	389.30	3.3	0	0.0	0.00	0.0	21	2.1	389.30	3.1
	TOTAL	21	12.6	389.30	3.3	0	0.0	0.00	0.0	21	2.1	389.30	3.1
LONGEAR SUNFISH	1977	2	1.2	39.26	0.3	5	0.6	2.32	0.3	7	0.7	41.58	0.3
	1978	9	6.2	193.00	1.3	0	0.0	0.00	0.0	9	4.3	193.00	1.3
	1979	11	15.7	291.00	1.5	1	0.6	6.44	4.6	12	5.3	297.44	1.5
	1981	16	12.9	660.00	2.3	7	12.3	96.17	63.7	23	12.7	756.17	2.6
	1982	6	10.7	131.00	0.4	1	5.9	20.00	51.4	7	9.6	151.00	0.5
	1983	6	10.0	106.53	1.3	0	0.0	0.00	0.0	6	3.4	106.53	1.2
	1984	63	31.5	664.33	3.9	0	0.0	0.00	0.0	63	24.7	664.33	3.9
	1985	28	13.0	331.75	2.5	1	0.2	9.83	1.8	29	4.2	341.58	2.4
	1986	37	19.1	517.94	2.2	9	12.5	70.95	18.7	46	17.3	588.89	2.5
	1987	61	35.3	709.43	5.4	6	4.1	102.53	36.5	67	21.1	811.96	6.0
	1988	20	8.0	341.75	2.6	28	15.3	231.05	31.0	48	11.1	572.80	4.1
	TOTAL	259	15.6	3985.99	2.0	58	2.7	539.29	15.9	317	8.3	4525.28	2.3
UNIDENTIFIED SUNFISH	1981	0	0.0	0.00	0.0	3	5.3	0.52	0.3	3	1.7	0.52	0.0
	TOTAL	0	0.0	0.00	0.0	3	5.3	0.52	0.3	3	1.7	0.52	0.0
SMALLMOUTH BASS	1977	14	8.4	1381.96	11.8	1	0.1	5.48	0.8	15	1.5	1387.44	11.2
	1978	2	1.4	272.00	1.8	0	0.0	0.00	0.0	2	0.9	272.00	1.8
	1979	9	12.9	3102.00	15.5	0	0.0	0.00	0.0	9	4.0	3102.00	15.4
	1981	16	12.9	1824.00	6.4	0	0.0	0.00	0.0	16	8.8	1824.00	6.3
	1982	4	7.1	1506.27	4.9	0	0.0	0.00	0.0	4	5.5	1506.27	4.9
	1983	7	11.7	1174.27	13.9	0	0.0	0.00	0.0	7	4.0	1174.27	13.6
	1984	21	10.5	1067.00	6.3	1	1.8	0.46	1.0	22	8.6	1067.46	6.2
	1985	31	14.4	2808.04	20.9	11	2.3	40.59	7.4	42	6.0	2848.63	20.4
	1986	11	5.7	988.00	4.2	1	1.4	14.28	3.8	12	4.5	1002.28	4.2
	1987	9	5.2	1188.90	9.0	1	0.7	56.59	20.2	10	3.1	1245.49	9.3
	1988	49	19.6	1383.60	10.5	45	24.6	253.87	34.0	94	21.7	1637.47	11.8
	TOTAL	173	10.5	16696.04	8.6	60	2.8	371.27	11.0	233	6.1	17067.31	8.6
LARGEMOUTH BASS	1977	5	3.0	96.39	0.8	1	0.1	8.00	1.1	6	0.6	104.39	0.8
	1978	1	0.7	6.00	0.0	0	0.0	0.00	0.0	1	0.5	6.00	0.0
	1979	1	1.4	5.00	0.0	0	0.0	0.00	0.0	1	0.4	5.00	0.0
	1981	2	1.6	343.00	1.2	0	0.0	0.00	0.0	2	1.1	343.00	1.2
	1983	3	5.0	90.00	1.1	0	0.0	0.00	0.0	3	1.7	90.00	1.0
	TOTAL	12	2.1	540.39	0.6	1	0.1	8.00	0.6	13	0.7	548.39	0.6
WHITE CRAPPIE	1977	0	0.0	0.00	0.0	1	0.1	1.76	0.2	1	0.1	1.76	0.0
	1979	3	4.3	203.00	1.0	0	0.0	0.00	0.0	3	1.3	203.00	1.0
	1981	4	3.2	241.00	0.8	1	1.8	14.00	9.3	5	2.8	255.00	0.9
	1983	1	1.7	29.00	0.3	1	0.9	72.00	39.7	2	1.1	101.00	1.2
	TOTAL	8	1.9	473.00	0.7	3	0.3	87.76	7.4	11	0.7	560.76	0.8
BLACK CRAPPIE	1977	0	0.0	0.00	0.0	5	0.6	19.04	2.7	5	0.5	19.04	0.2
	1981	0	0.0	0.00	0.0	2	3.5	1.44	1.0	2	1.1	1.44	0.0
	TOTAL	0	0.0	0.00	0.0	7	0.8	20.48	2.4	7	0.6	20.48	0.0

APPENDIX D-2 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING				SEINING				TOTAL			
		NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT
JOHNNY DARTER	1977	1	0.6	0.93	0.0	4	0.5	1.88	0.3	5	0.5	2.81	0.0
	1978	0	0.0	0.00	0.0	9	13.8	3.90	2.5	9	4.3	3.90	0.0
	1979	0	0.0	0.00	0.0	2	1.3	0.48	0.3	2	0.9	0.48	0.0
	1984	0	0.0	0.00	0.0	9	16.4	2.73	6.1	9	3.5	2.73	0.0
	1985	0	0.0	0.00	0.0	6	1.2	5.16	0.9	6	0.9	5.16	0.0
	1986	0	0.0	0.00	0.0	4	5.6	1.98	0.5	4	1.5	1.98	0.0
	1987	0	0.0	0.00	0.0	9	6.2	3.97	1.4	9	2.8	3.97	0.0
	TOTAL	1	0.1	0.93	0.0	43	2.4	20.10	0.9	44	1.5	21.03	0.0
BANDED DARTER	1977	0	0.0	0.00	0.0	1	0.1	0.13	0.0	1	0.1	0.13	0.0
	1988	0	0.0	0.00	0.0	1	0.5	0.44	0.1	1	0.2	0.44	0.0
	TOTAL	0	0.0	0.00	0.0	2	0.2	0.57	0.0	2	0.1	0.57	0.0
YELLOW PERCH	1977	1	0.6	6.46	0.1	1	0.1	7.53	1.1	2	0.2	13.99	0.1
	TOTAL	1	0.6	6.46	0.1	1	0.1	7.53	1.1	2	0.2	13.99	0.1
LOG PERCH	1987	0	0.0	0.00	0.0	1	0.7	1.46	0.5	1	0.3	1.46	0.0
	1988	16	6.4	52.45	0.4	2	1.1	3.92	0.5	18	4.2	56.37	0.4
	TOTAL	16	3.8	52.45	0.2	3	0.9	5.38	0.5	19	2.5	57.83	0.2
BLACKSIDE DARTER	1985	1	0.5	1.42	0.0	2	0.4	2.75	0.5	3	0.4	4.17	0.0
	1987	1	0.6	1.23	0.0	1	0.7	1.29	0.5	2	0.6	2.52	0.0
	TOTAL	2	0.5	2.65	0.0	3	0.5	4.04	0.5	5	0.5	6.69	0.0
SLENDERHEAD DARTER	1977	0	0.0	0.00	0.0	1	0.1	0.68	0.1	1	0.1	0.68	0.0
	1985	0	0.0	0.00	0.0	4	0.8	3.34	0.6	4	0.6	3.34	0.0
	1986	0	0.0	0.00	0.0	3	4.2	3.22	0.8	3	1.1	3.22	0.0
	1988	2	0.8	2.36	0.0	1	0.5	0.41	0.1	3	0.7	2.77	0.0
	TOTAL	2	0.2	2.36	0.0	9	0.6	7.65	0.3	11	0.5	10.01	0.0
WALLEYE	1977	5	3.0	230.00	2.0	0	0.0	0.00	0.0	5	0.5	230.00	1.9
	1979	2	2.9	794.00	4.0	0	0.0	0.00	0.0	2	0.9	794.00	3.9
	1981	1	0.8	323.00	1.1	0	0.0	0.00	0.0	1	0.6	323.00	1.1
	1982	1	1.8	5.47	0.0	0	0.0	0.00	0.0	1	1.4	5.47	0.0
	1988	1	0.4	45.00	0.3	0	0.0	0.00	0.0	1	0.2	45.00	0.3
	TOTAL	10	1.5	1397.47	1.3	0	0.0	0.00	0.0	10	0.5	1397.47	1.3

APPENDIX D-3. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 2 OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	ELECTROFISHING %NO.	ELECTROFISHING WT(G)	ELECTROFISHING %WT	SEINING NO.	SEINING %NO.	SEINING WT(G)	SEINING %WT	TOTAL NO.	TOTAL %NO.	TOTAL WT(G)	TOTAL %WT
LONGNOSE GAR	1981	1	0.2	0.67	0.0	0	0.0	0.00	0.0	1	0.1	0.67	0.0
	1985	4	0.7	135.00	0.6	0	0.0	0.00	0.0	4	0.3	135.00	0.6
	1987	4	0.6	68.00	0.2	0	0.0	0.00	0.0	4	0.3	68.00	0.2
	1988	7	1.1	157.00	2.0	0	0.0	0.00	0.0	7	0.9	157.00	1.9
	TOTAL	16	0.7	360.67	0.3	0	0.0	0.00	0.0	16	0.4	360.67	0.3
GIZZARD SHAD	1977	295	47.9	3509.43	7.9	57	4.2	96.19	12.1	352	17.8	3605.62	7.9
	1978	21	9.2	166.00	1.6	0	0.0	0.00	0.0	21	6.8	166.00	1.6
	1981	86	20.0	8682.05	15.9	0	0.0	0.00	0.0	86	9.6	8682.05	15.8
	1982	14	10.2	1777.48	4.9	0	0.0	0.00	0.0	14	9.7	1777.48	4.9
	1986	7	1.3	968.81	3.1	0	0.0	0.00	0.0	7	1.2	968.81	3.1
	1987	50	7.1	8119.00	29.8	0	0.0	0.00	0.0	50	4.2	8119.00	29.3
	1988	90	14.4	1091.49	14.1	0	0.0	0.00	0.0	90	11.8	1091.49	12.9
	TOTAL	563	17.2	24314.26	11.5	57	2.2	96.19	3.3	620	10.6	24410.45	11.4
CENTRAL MUDMINNOW	1982	1	0.7	4.44	0.0	0	0.0	0.00	0.0	1	0.7	4.44	0.0
	TOTAL	1	0.7	4.44	0.0	0	0.0	0.00	0.0	1	0.7	4.44	0.0
GRASS PICKEREL	1977	6	1.0	112.00	0.3	2	0.1	40.00	5.0	8	0.4	152.00	0.3
	1978	8	3.5	238.00	2.3	1	1.3	2.61	4.3	9	2.9	240.61	2.3
	1979	3	1.3	238.00	0.8	0	0.0	0.00	0.0	3	0.2	238.00	0.8
	1981	4	0.9	85.00	0.2	0	0.0	0.00	0.0	4	0.4	85.00	0.2
	1983	2	0.7	133.00	0.7	0	0.0	0.00	0.0	2	0.5	133.00	0.7
	1984	4	0.9	80.00	0.5	0	0.0	0.00	0.0	4	0.7	80.00	0.5
	1987	3	0.4	44.55	0.2	0	0.0	0.00	0.0	3	0.2	44.55	0.2
	1988	1	0.2	15.00	0.2	0	0.0	0.00	0.0	1	0.1	15.00	0.2
	TOTAL	31	0.9	945.55	0.5	3	0.1	42.61	1.1	34	0.4	988.16	0.5
NORTHERN PIKE	1977	3	0.5	1080.00	2.4	0	0.0	0.00	0.0	3	0.2	1080.00	2.4
	1979	3	1.3	1402.00	4.9	0	0.0	0.00	0.0	3	0.2	1402.00	4.7
	1981	4	0.9	2507.00	4.6	1	0.2	160.00	30.6	5	0.6	2667.00	4.9
	1982	4	2.9	2480.00	6.8	0	0.0	0.00	0.0	4	2.8	2480.00	6.8
	1983	1	0.4	481.00	2.6	0	0.0	0.00	0.0	1	0.3	481.00	2.6
	1984	6	1.4	773.00	4.7	0	0.0	0.00	0.0	6	1.1	773.00	4.7
	1985	1	0.2	610.00	2.6	0	0.0	0.00	0.0	1	0.1	610.00	2.6
	1986	4	0.7	480.00	1.5	0	0.0	0.00	0.0	4	0.7	480.00	1.5
	1987	7	1.0	5170.00	19.0	0	0.0	0.00	0.0	7	0.6	5170.00	18.6
	TOTAL	33	0.8	14983.00	5.3	1	0.0	160.00	4.0	34	0.4	15143.00	5.3
CENTRAL STONEROLLER	1979	0	0.0	0.00	0.0	2	0.2	1.20	0.1	2	0.1	1.20	0.0
	1985	4	0.7	6.35	0.0	4	0.5	6.34	1.0	8	0.6	12.69	0.1
	TOTAL	4	0.5	6.35	0.0	6	0.3	7.54	0.4	10	0.4	13.89	0.0
CARP	1977	26	4.2	8574.18	19.2	1	0.1	9.01	1.1	27	1.4	8583.19	18.9
	1978	4	1.8	2415.00	23.1	0	0.0	0.00	0.0	4	1.3	2415.00	22.9
	1979	1	0.4	1720.00	6.0	0	0.0	0.00	0.0	1	0.1	1720.00	5.8
	1981	5	1.2	4625.00	8.5	0	0.0	0.00	0.0	5	0.6	4625.00	8.4
	1982	5	3.6	6087.00	16.7	0	0.0	0.00	0.0	5	3.4	6087.00	16.7
	1984	3	0.7	1535.00	9.3	0	0.0	0.00	0.0	3	0.5	1535.00	9.3
	1985	3	0.5	7439.00	32.1	0	0.0	0.00	0.0	3	0.2	7439.00	31.2
	1986	4	0.7	9672.00	31.1	0	0.0	0.00	0.0	4	0.7	9672.00	30.8
	1987	1	0.1	2198.00	8.1	0	0.0	0.00	0.0	1	0.1	2198.00	7.9
	1988	58	9.3	2755.25	35.5	0	0.0	0.00	0.0	58	7.6	2755.25	32.7
	TOTAL	110	2.4	47020.43	16.8	1	0.0	9.01	0.2	111	1.2	47029.44	16.5
SILVERJAW MINNOW	1978	4	1.8	3.21	0.0	11	13.8	5.60	9.3	15	4.9	8.81	0.1
	1979	0	0.0	0.00	0.0	35	2.8	20.45	2.0	35	2.4	20.45	0.1
	1982	1	0.7	1.44	0.0	0	0.0	0.00	0.0	1	0.7	1.44	0.0
	1984	1	0.2	1.63	0.0	0	0.0	0.00	0.0	1	0.2	1.63	0.0
	1985	0	0.0	0.00	0.0	7	0.9	1.88	0.3	7	0.5	1.88	0.0
	1987	0	0.0	0.00	0.0	3	0.6	0.66	0.1	3	0.2	0.66	0.0
	TOTAL	6	0.3	6.28	0.0	56	2.0	28.59	1.2	62	1.2	34.87	0.0
HORNYHEAD CHUB	1977	1	0.2	15.28	0.0	3	0.2	1.06	0.1	4	0.2	16.34	0.0
	1984	0	0.0	0.00	0.0	2	1.4	0.16	0.2	2	0.4	0.16	0.0
	1985	6	1.0	49.49	0.2	0	0.0	0.00	0.0	6	0.4	49.49	0.2
	1987	0	0.0	0.00	0.0	1	0.2	0.31	0.1	1	0.1	0.31	0.0
	TOTAL	7	0.3	64.77	0.1	6	0.2	1.53	0.1	13	0.3	66.30	0.1
GOLDEN SHINER	1977	0	0.0	0.00	0.0	2	0.1	0.87	0.1	2	0.1	0.87	0.0
	TOTAL	0	0.0	0.00	0.0	2	0.1	0.87	0.1	2	0.1	0.87	0.0
EMERALD SHINER	1977	5	0.8	18.50	0.0	0	0.0	0.00	0.0	5	0.3	18.50	0.0
	1979	1	0.4	14.00	0.0	0	0.0	0.00	0.0	1	0.1	14.00	0.0
	1987	0	0.0	0.00	0.0	1	0.2	0.01	0.0	1	0.1	0.01	0.0
	TOTAL	6	0.4	32.50	0.0	1	0.0	0.01	0.0	7	0.2	32.51	0.0
STRIPED SHINER	1977	0	0.0	0.00	0.0	40	2.9	16.63	2.1	40	2.0	16.63	0.0
	1978	0	0.0	0.00	0.0	6	7.5	2.42	4.0	6	1.9	2.42	0.0
	1979	0	0.0	0.00	0.0	3	0.2	0.97	0.1	3	0.2	0.97	0.0
	1982	0	0.0	0.00	0.0	2	25.0	1.92	26.4	2	1.4	1.92	0.0
	1983	1	0.4	0.47	0.0	1	1.1	0.64	0.9	2	0.5	1.11	0.0
	1984	1	0.2	4.97	0.0	6	4.3	1.41	1.9	7	1.2	6.38	0.0
	1985	16	2.7	62.46	0.3	28	3.6	19.75	3.0	44	3.2	82.21	0.3
	1986	1	0.2	5.40	0.0	14	29.8	1.92	0.6	15	2.6	7.32	0.0
	1987	5	0.7	22.02	0.1	4	0.8	1.37	0.3	9	0.7	23.39	0.1
	1988	32	5.1	58.00	0.7	0	0.0	0.00	0.0	32	4.2	58.00	0.7
	TOTAL	56	1.3	153.32	0.1	104	2.4	47.03	1.1	160	1.8	200.35	0.1
BIGMOUTH SHINER	1977	0	0.0	0.00	0.0	1	0.0	0.06	0.0	1	0.0	0.06	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.0	0.06	0.0	1	0.0	0.06	0.0
RED SHINER	1985	0	0.0	0.00	0.0	2	0.3	3.22	0.5	2	0.1	3.22	0.0
	TOTAL	0	0.0	0.00	0.0	2	0.3	3.22	0.5	2	0.1	3.22	0.0
ROSYFACE SHINER	1977	1	0.2	3.66	0.0	41	3.0	15.69	2.0	42	2.1	19.35	0.0
	1978	0	0.0	0.00	0.0	1	1.3	1.93	3.2	1	0.3	1.93	0.0
	1979	1	0.4	2.05	0.0	1	0.1	0.86	0.1	2	0.1	2.91	0.0
	1982	0	0.0	0.00	0.0	1	12.5	1.45	20.0	1	0.7	1.45	0.0
	1985	0	0.0	0.00	0.0	6	0.8	1.28	0.2	6	0.4	1.28	0.0
	1986	1	0.2	0.56	0.0	0	0.0	0.00	0.0	1	0.2	0.56	0.0
	1988	89	14.2	82.88	1.1	0	0.0	0.00	0.0	89	11.6	82.88	1.0
	TOTAL	92	3.1	89.15	0.0	50	1.4	21.21	0.6	142	2.1	110.36	0.1
SPOTFIN SHINER	1977	14	2.3	51.62	0.1	308	22.7	162.48	20.5	322	16.3	214.10	0.5
	1978	1	0.4	1.25	0.0	13	16.3	11.47	19.0	14	4.5	12.72	0.1
	1979	8	3.4	25.20	0.1	157	12.6	121.50	11.9	165	11.1	146.70	0.5
	1981	18	4.2	53.62	0.1	150	32.2	124.77	23.8	168	18.8	178.39	0.3
	1982	3	2.2	10.20	0.0	0	0.0	0.00	0.0	3	2.1	10.20	0.0
	1983	12	4.3	16.65	0.1	67	73.6	55.15	73.4	79	21.5	71.80	0.4
	1984	6	1.4	10.99	0.1	41	29.7	28.58	37.5	47	8.4	39.57	0.2
	1985	38	6.5	104.30	0.4	146	18.9	193.47	29.1	184	13.5	297.77	1.2
	1986	5	0.9	4.77	0.0	5	10.6	3.91	1.2	10	1.7	8.68	0.0
	1987	105	15.0	113.26	0.4	130	25.8	93.69	17.2	235	19.5	206.95	0.7
	1988	24	3.8	52.49	0.7	1	0.7	0.89	0.1	25	3.3	53.38	0.6
	TOTAL	234	4.9	444.35	0.1	1018	21.0	795.91	16.7	1252	13.0	1240.26	0.4

APPENDIX D-3 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 2 OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	ELECTROFISHING %NO.	ELECTROFISHING WT(G)	ELECTROFISHING %WT	SEINING NO.	SEINING %NO.	SEINING WT(G)	SEINING %WT	TOTAL NO.	TOTAL %NO.	TOTAL WT(G)	TOTAL %WT
SAND SHINER	1977	0	0.0	0.00	0.0	75	5.5	41.47	5.2	75	3.8	41.47	0.1
	1978	3	1.3	3.72	0.0	23	28.8	13.82	22.9	26	8.4	17.54	0.2
	1979	0	0.0	0.00	0.0	264	21.2	166.81	16.4	264	17.8	166.81	0.6
	1981	2	0.5	1.79	0.0	123	26.4	74.15	14.2	125	14.0	75.94	0.1
	1982	2	1.5	6.29	0.0	0	0.0	0.00	0.0	2	1.4	6.29	0.0
	1983	24	8.7	30.87	0.2	0	0.0	0.00	0.0	24	6.5	30.87	0.2
	1984	4	0.9	4.17	0.0	18	13.0	7.41	9.7	22	3.9	11.58	0.1
	1985	24	4.1	34.08	0.1	162	21.0	101.77	15.3	186	13.7	135.85	0.6
	1986	48	9.0	48.93	0.2	4	8.5	4.05	1.2	52	9.0	52.98	0.2
	1987	38	5.4	26.13	0.1	39	7.7	21.99	4.0	77	6.4	48.12	0.2
	1988	22	3.5	27.52	0.4	0	0.0	0.00	0.0	22	2.9	27.52	0.3
	TOTAL	167	3.5	183.50	0.1	708	14.6	431.47	9.0	875	9.1	614.97	0.2
REDFIN SHINER	1977	0	0.0	0.00	0.0	28	2.0	5.89	0.7	28	1.4	5.89	0.0
	1979	0	0.0	0.00	0.0	3	0.2	1.85	0.2	3	0.2	1.85	0.0
	1981	0	0.0	0.00	0.0	33	7.1	20.39	3.9	33	3.7	20.39	0.0
	1982	0	0.0	0.00	0.0	2	25.0	2.14	29.5	2	1.4	2.14	0.0
	1984	1	0.2	1.11	0.0	0	0.0	0.00	0.0	1	0.2	1.11	0.0
	1985	1	0.2	0.86	0.0	1	0.1	1.01	0.2	2	0.1	1.87	0.0
	1986	5	0.9	4.62	0.0	5	10.6	3.60	1.1	10	1.7	8.22	0.0
	1987	6	0.9	3.67	0.0	5	1.0	3.00	0.6	11	0.9	6.67	0.0
	1988	22	3.5	21.11	0.3	63	46.0	65.88	9.7	85	11.1	86.99	1.0
	TOTAL	35	0.8	31.37	0.0	140	3.0	103.76	2.2	175	1.9	135.13	0.0
MIMIC SHINER	1977	0	0.0	0.00	0.0	6	0.4	5.22	0.7	6	0.3	5.22	0.0
	1981	0	0.0	0.00	0.0	17	3.6	8.54	1.6	17	1.9	8.54	0.0
	1984	3	0.7	3.24	0.0	0	0.0	0.00	0.0	3	0.5	3.24	0.0
	1985	1	0.2	0.80	0.0	5	0.6	6.12	0.9	6	0.4	6.92	0.0
	1986	4	0.7	4.73	0.0	0	0.0	0.00	0.0	4	0.7	4.73	0.0
	1987	52	7.4	39.61	0.1	49	9.7	37.14	6.8	101	8.4	76.75	0.3
	1988	11	1.8	13.94	0.2	0	0.0	0.00	0.0	11	1.4	13.94	0.2
	TOTAL	71	1.8	62.32	0.0	77	2.3	57.02	1.6	148	2.0	119.34	0.1
SUCKERMOUTH MINNOW	1979	0	0.0	0.00	0.0	51	4.1	23.39	2.3	51	3.4	23.39	0.1
	1983	2	0.7	1.45	0.0	0	0.0	0.00	0.0	2	0.5	1.45	0.0
	1985	6	1.0	16.28	0.1	8	1.0	8.68	1.3	14	1.0	24.96	0.1
	1986	3	0.6	2.14	0.0	0	0.0	0.00	0.0	3	0.5	2.14	0.0
	1987	1	0.1	0.44	0.0	1	0.2	0.25	0.0	2	0.2	0.69	0.0
	TOTAL	12	0.5	20.31	0.0	60	2.3	32.32	1.2	72	1.4	52.63	0.0
BLUNTNOSE MINNOW	1977	8	1.3	17.05	0.0	226	16.6	103.70	13.1	234	11.8	120.75	0.3
	1978	15	6.6	30.27	0.3	15	18.8	16.41	27.2	30	9.7	46.68	0.4
	1979	5	2.1	12.75	0.0	643	51.5	622.35	61.0	648	43.7	635.10	2.1
	1981	6	1.4	6.94	0.0	138	29.6	122.11	23.3	144	16.1	129.05	0.2
	1982	3	2.2	5.93	0.0	1	12.5	1.14	15.7	4	2.8	7.07	0.0
	1983	19	6.9	28.19	0.2	7	7.7	9.37	12.5	26	7.1	37.56	0.2
	1984	37	8.7	58.19	0.4	58	42.0	25.48	33.5	95	16.9	83.67	0.5
	1985	95	16.2	198.93	0.9	182	23.6	155.28	23.3	277	20.4	354.21	1.5
	1986	177	33.1	276.50	0.9	5	10.6	1.45	0.4	182	31.3	277.95	0.9
	1987	141	20.1	166.68	0.6	139	27.6	98.19	18.0	280	21.3	264.87	1.0
	1988	33	5.3	77.53	1.0	0	0.0	0.00	0.0	33	4.3	77.53	0.9
	TOTAL	539	11.2	878.96	0.3	1414	29.2	1155.48	24.2	1953	20.3	2034.44	0.7
FATHEAD MINNOW	1977	0	0.0	0.00	0.0	1	0.0	0.50	0.1	1	0.0	0.50	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.0	0.50	0.1	1	0.0	0.50	0.0
BULLHEAD MINNOW	1977	18	2.9	46.96	0.1	56	4.1	33.61	4.2	74	3.7	80.57	0.2
	1985	5	0.9	17.27	0.1	5	0.6	4.06	0.6	10	0.7	21.33	0.1
	1987	0	0.0	0.00	0.0	10	2.0	1.00	0.2	10	0.8	1.00	0.0
	TOTAL	23	1.2	64.23	0.1	71	2.7	38.67	1.9	94	2.1	102.90	0.1
CREEK CHUB	1978	2	0.9	2.97	0.0	1	1.3	1.87	3.1	3	1.0	4.84	0.0
	1979	0	0.0	0.00	0.0	11	0.9	4.96	0.5	11	0.7	4.96	0.0
	1985	2	0.3	2.78	0.0	55	7.1	47.63	7.2	57	4.2	50.41	0.2
	1987	1	0.1	1.05	0.0	0	0.0	0.00	0.0	1	0.1	1.05	0.0
	TOTAL	5	0.3	6.80	0.0	67	2.6	54.46	2.4	72	1.7	61.26	0.1
UNIDENTIFIED MINNOWS	1977	0	0.0	0.00	0.0	420	30.9	22.83	2.9	420	21.3	22.83	0.1
	1979	0	0.0	0.00	0.0	2	0.2	0.03	0.0	2	0.1	0.03	0.0
	1984	0	0.0	0.00	0.0	4	2.9	0.32	0.4	4	0.7	0.32	0.0
	TOTAL	0	0.0	0.00	0.0	426	15.5	23.18	1.2	426	10.6	23.18	0.0
QUILLBACK	1977	14	2.3	5290.14	11.9	1	0.0	2.91	0.4	15	0.7	5293.05	11.7
	1978	2	0.9	1390.00	13.3	0	0.0	0.00	0.0	2	0.6	1390.00	13.2
	1979	4	1.7	1079.00	3.8	0	0.0	0.00	0.0	4	0.3	1079.00	3.6
	1981	12	2.8	3782.00	6.9	0	0.0	0.00	0.0	12	1.3	3782.00	6.9
	1982	11	8.0	4430.00	12.1	0	0.0	0.00	0.0	11	7.6	4430.00	12.1
	1983	2	0.7	1183.00	6.4	0	0.0	0.00	0.0	2	0.5	1183.00	6.4
	1984	8	1.9	3114.00	18.9	0	0.0	0.00	0.0	8	1.4	3114.00	18.8
	1985	3	0.5	635.00	2.7	4	0.5	3.95	0.6	7	0.5	638.95	2.7
	1986	12	2.2	7862.00	25.3	0	0.0	0.00	0.0	12	2.1	7862.00	25.0
	1987	2	0.3	695.00	2.6	0	0.0	0.00	0.0	2	0.2	695.00	2.5
	1988	2	0.3	10.48	0.1	0	0.0	0.00	0.0	2	0.3	10.48	0.1
	TOTAL	72	1.5	29470.62	9.9	5	0.1	6.86	0.1	77	0.8	29477.48	9.7
WHITE SUCKER	1977	14	2.3	3354.00	7.5	1	0.0	55.00	6.9	15	0.7	3409.00	7.5
	1978	1	0.4	365.00	3.5	0	0.0	0.00	0.0	1	0.3	365.00	3.5
	1979	8	3.4	2616.00	9.1	1	0.1	0.40	0.0	9	0.6	2616.40	8.8
	1982	5	3.6	2475.00	6.8	0	0.0	0.00	0.0	5	3.4	2475.00	6.8
	1983	13	4.7	5123.00	27.8	0	0.0	0.00	0.0	13	3.5	5123.00	27.7
	1984	2	0.5	885.00	5.4	0	0.0	0.00	0.0	2	0.4	885.00	5.3
	1985	8	1.4	2095.62	9.0	1	0.1	1.65	0.2	9	0.7	2097.27	8.8
	1987	1	0.1	320.00	1.2	0	0.0	0.00	0.0	1	0.1	320.00	1.2
	1988	1	0.2	4.52	0.1	0	0.0	0.00	0.0	1	0.1	4.52	0.1
	TOTAL	53	1.4	17238.14	8.1	3	0.1	57.05	1.5	56	0.7	17295.19	8.0
LAKE CHUBSUCKER	1977	0	0.0	0.00	0.0	1	0.0	0.10	0.0	1	0.0	0.10	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.0	0.10	0.0	1	0.0	0.10	0.0
NORTHERN HOGSUCKER	1978	2	0.9	310.56	3.0	0	0.0	0.00	0.0	2	0.6	310.56	2.9
	1979	2	0.9	880.00	3.1	3	0.2	4.25	0.4	5	0.3	884.25	3.0
	1982	3	2.2	333.94	0.9	0	0.0	0.00	0.0	3	2.1	333.94	0.9
	1983	10	3.6	2495.64	13.5	0	0.0	0.00	0.0	10	2.7	2495.64	13.5
	1985	14	2.4	3005.40	13.0	7	0.9	17.23	2.6	21	1.5	3022.63	12.7
	1986	2	0.4	805.00	2.6	0	0.0	0.00	0.0	2	0.3	805.00	2.6
	1987	3	0.4	1515.00	5.6	0	0.0	0.00	0.0	3	0.2	1515.00	5.5
	1988	2	0.3	975.50	12.6	0	0.0	0.00	0.0	2	0.3	975.50	11.6
	TOTAL	38	1.1	10321.04	5.6	10	0.3	21.48	0.6	48	0.8	10342.52	5.5

APPENDIX D-3 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 2 OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	ELECTROFISHING %NO.	ELECTROFISHING WT(G)	ELECTROFISHING %WT	SEINING NO.	SEINING %NO.	SEINING WT(G)	SEINING %WT	TOTAL NO.	TOTAL %NO.	TOTAL WT(G)	TOTAL %WT
SMALLMOUTH BUFFALO	1988	3	0.5	22.39	0.3	0	0.0	0.00	0.0	3	0.4	22.39	0.3
	TOTAL	3	0.5	22.39	0.3	0	0.0	0.00	0.0	3	0.4	22.39	0.3
SPOTTED SUCKER	1985	2	0.3	1.33	0.0	1	0.1	0.62	0.1	3	0.2	1.95	0.0
	TOTAL	2	0.3	1.33	0.0	1	0.1	0.62	0.1	3	0.2	1.95	0.0
SILVER REDHORSE	1977	1	0.2	7.20	0.0	1	0.0	6.84	0.9	2	0.1	14.04	0.0
	1978	1	0.4	1110.00	10.6	0	0.0	0.00	0.0	1	0.3	1110.00	10.5
	1981	4	0.9	483.00	0.9	0	0.0	0.00	0.0	4	0.4	483.00	0.9
	1982	7	5.1	7065.00	19.3	0	0.0	0.00	0.0	7	4.8	7065.00	19.3
	1983	1	0.4	80.00	0.4	0	0.0	0.00	0.0	1	0.3	80.00	0.4
	1985	8	1.4	19.62	0.1	2	0.3	4.11	0.6	10	0.7	23.73	0.1
	1988	1	0.2	2.26	0.0	0	0.0	0.00	0.0	1	0.1	2.26	0.0
	TOTAL	23	0.8	8767.08	4.5	3	0.1	10.95	0.4	26	0.4	8778.03	4.4
RIVER REDHORSE	1977	4	0.6	285.00	0.6	0	0.0	0.00	0.0	4	0.2	285.00	0.6
	1979	1	0.4	40.00	0.1	0	0.0	0.00	0.0	1	0.1	40.00	0.1
	1982	1	0.7	700.00	1.9	0	0.0	0.00	0.0	1	0.7	700.00	1.9
	1985	4	0.7	11.17	0.0	0	0.0	0.00	0.0	4	0.3	11.17	0.0
	TOTAL	10	0.6	1036.17	0.8	0	0.0	0.00	0.0	10	0.2	1036.17	0.8
BLACK REDHORSE	1979	10	4.3	862.00	3.0	0	0.0	0.00	0.0	10	0.7	862.00	2.9
	1981	6	1.4	1340.00	2.5	0	0.0	0.00	0.0	6	0.7	1340.00	2.4
	1982	3	2.2	755.00	2.1	0	0.0	0.00	0.0	3	2.1	755.00	2.1
	1985	1	0.2	1.47	0.0	0	0.0	0.00	0.0	1	0.1	1.47	0.0
	TOTAL	20	1.4	2958.47	2.1	0	0.0	0.00	0.0	20	0.5	2958.47	2.0
GOLDEN REDHORSE	1977	30	4.9	2727.00	6.1	1	0.0	32.50	4.1	31	1.5	2759.50	6.1
	1978	2	0.9	272.00	2.6	0	0.0	0.00	0.0	2	0.6	272.00	2.6
	1979	32	13.6	2841.00	9.9	0	0.0	0.00	0.0	32	2.2	2841.00	9.6
	1981	96	22.3	11602.00	21.3	0	0.0	0.00	0.0	96	10.7	11602.00	21.1
	1982	12	8.8	5265.00	14.4	0	0.0	0.00	0.0	12	8.3	5265.00	14.4
	1983	5	1.8	2476.00	13.4	0	0.0	0.00	0.0	5	1.4	2476.00	13.4
	1984	9	2.1	820.00	5.0	0	0.0	0.00	0.0	9	1.6	828.00	5.0
	1985	27	4.6	236.02	1.0	24	3.1	16.81	2.5	51	3.8	252.83	1.1
	1986	16	3.0	4054.24	13.0	0	0.0	0.00	0.0	16	2.8	4054.24	12.9
	1987	7	1.0	1289.99	4.7	1	0.2	0.94	0.2	8	0.7	1290.93	4.7
	1988	0	0.0	0.00	0.0	2	1.5	6.83	1.0	2	0.3	6.83	0.1
	TOTAL	236	4.9	31591.25	10.6	28	0.6	57.08	1.2	264	2.7	31648.33	10.4
SHORTHEAD REDHORSE	1977	14	2.3	1162.82	2.6	0	0.0	0.00	0.0	14	0.7	1162.82	2.6
	1978	4	1.8	332.56	3.2	0	0.0	0.00	0.0	4	1.3	332.56	3.2
	1979	20	8.5	4883.00	17.0	0	0.0	0.00	0.0	20	1.3	4883.00	16.5
	1981	5	1.2	1536.00	2.8	0	0.0	0.00	0.0	5	0.6	1536.00	2.8
	1982	1	0.7	340.00	0.9	0	0.0	0.00	0.0	1	0.7	340.00	0.9
	1985	14	2.4	27.92	0.1	0	0.0	0.00	0.0	14	1.0	27.92	0.1
	1986	1	0.2	635.00	2.0	0	0.0	0.00	0.0	1	0.2	635.00	2.0
	1987	2	0.3	442.19	1.6	0	0.0	0.00	0.0	2	0.2	442.19	1.6
	TOTAL	61	1.8	9359.49	3.7	0	0.0	0.00	0.0	61	0.8	9359.49	3.6
UNIDENTIFIED REDHORSE	1977	16	2.6	46.92	0.1	9	0.6	20.07	2.5	25	1.2	66.99	0.1
	1978	1	0.4	1.30	0.0	0	0.0	0.00	0.0	1	0.3	1.30	0.0
	1979	0	0.0	0.00	0.0	68	5.4	49.39	4.8	68	4.6	49.39	0.2
	1983	4	1.4	3.61	0.0	11	12.1	9.01	12.0	15	4.1	12.62	0.1
	1984	0	0.0	0.00	0.0	1	0.7	0.58	0.8	1	0.2	0.58	0.0
	TOTAL	21	1.2	51.83	0.0	89	3.0	79.05	3.9	110	2.3	130.88	0.1
YELLOW BULLHEAD	1982	1	0.7	60.00	0.2	0	0.0	0.00	0.0	1	0.7	60.00	0.2
	1987	1	0.1	57.00	0.2	0	0.0	0.00	0.0	1	0.1	57.00	0.2
	TOTAL	2	0.2	117.00	0.2	0	0.0	0.00	0.0	2	0.1	117.00	0.2
CHANNEL CATFISH	1977	1	0.2	1970.00	4.4	0	0.0	0.00	0.0	1	0.1	1970.00	4.3
	1979	1	0.4	810.00	2.8	0	0.0	0.00	0.0	1	0.1	810.00	2.7
	1984	1	0.2	1060.00	6.4	0	0.0	0.00	0.0	1	0.2	1060.00	6.4
	TOTAL	3	0.2	3840.00	4.3	0	0.0	0.00	0.0	3	0.1	3840.00	4.2
STONECAT	1983	1	0.4	50.00	0.3	0	0.0	0.00	0.0	1	0.3	50.00	0.3
	1984	2	0.5	81.00	0.5	0	0.0	0.00	0.0	2	0.4	81.00	0.5
	1985	2	0.3	23.53	0.1	0	0.0	0.00	0.0	2	0.1	23.53	0.1
	TOTAL	5	0.4	154.53	0.3	0	0.0	0.00	0.0	5	0.2	154.53	0.3
PIRATE PERCH	1978	1	0.4	2.28	0.0	0	0.0	0.00	0.0	1	0.3	2.28	0.0
	TOTAL	1	0.4	2.28	0.0	0	0.0	0.00	0.0	1	0.3	2.28	0.0
BLACKSTRIPE TOPMINNOW	1977	0	0.0	0.00	0.0	3	0.2	0.94	0.1	3	0.2	0.94	0.0
	1978	0	0.0	0.00	0.0	2	2.5	1.55	2.6	2	0.6	1.55	0.0
	1979	0	0.0	0.00	0.0	1	0.1	0.15	0.0	1	0.1	0.15	0.0
	1981	0	0.0	0.00	0.0	2	0.4	2.33	0.4	2	0.2	2.33	0.0
	1983	0	0.0	0.00	0.0	2	2.2	0.27	0.4	2	0.5	0.27	0.0
	1985	0	0.0	0.00	0.0	3	0.4	0.58	0.1	3	0.2	0.58	0.0
	1988	0	0.0	0.00	0.0	1	0.7	0.27	0.0	1	0.1	0.27	0.0
	TOTAL	0	0.0	0.00	0.0	14	0.3	6.09	0.2	14	0.2	6.09	0.0
BROOK SILVERSIDE	1977	1	0.2	0.74	0.0	8	0.6	2.76	0.3	9	0.4	3.50	0.0
	1979	1	0.4	2.28	0.0	0	0.0	0.00	0.0	1	0.1	2.28	0.0
	1984	0	0.0	0.00	0.0	1	0.7	0.21	0.3	1	0.2	0.21	0.0
	1987	1	0.1	1.13	0.0	0	0.0	0.00	0.0	1	0.1	1.13	0.0
	1988	10	1.6	10.38	0.1	3	2.2	1.90	0.3	13	1.7	12.28	0.1
	TOTAL	13	0.5	14.53	0.0	12	0.3	4.87	0.2	25	0.4	19.40	0.0
ROCK BASS	1977	23	3.7	1552.00	3.5	1	0.0	55.00	6.9	24	1.2	1607.00	3.5
	1978	26	11.4	1011.00	9.7	0	0.0	0.00	0.0	26	8.4	1011.00	9.6
	1979	37	15.7	3439.00	12.0	0	0.0	0.00	0.0	37	2.5	3439.00	11.6
	1981	8	1.9	871.00	1.6	0	0.0	0.00	0.0	8	0.9	871.00	1.6
	1982	7	5.1	504.00	1.4	0	0.0	0.00	0.0	7	4.8	504.00	1.4
	1983	29	10.5	2692.03	14.6	0	0.0	0.00	0.0	29	7.9	2692.03	14.5
	1984	31	7.3	1664.42	10.1	0	0.0	0.00	0.0	31	5.5	1664.42	10.0
	1985	88	15.0	3926.02	16.9	0	0.0	0.00	0.0	88	6.5	3926.02	16.5
	1986	33	6.2	1314.00	4.2	0	0.0	0.00	0.0	33	5.7	1314.00	4.2
	1987	31	4.4	1613.02	5.9	0	0.0	0.00	0.0	31	2.6	1613.02	5.8
	1988	3	0.5	301.00	3.9	2	1.5	205.00	30.2	5	0.7	506.00	6.0
	TOTAL	316	6.6	18887.49	6.3	3	0.1	260.00	5.4	319	3.3	19147.49	6.3
GREEN SUNFISH	1977	27	4.4	496.69	1.1	3	0.2	0.40	0.1	30	1.5	497.09	1.1
	1978	32	14.0	801.00	7.7	0	0.0	0.00	0.0	32	10.4	801.00	7.6
	1979	19	8.1	442.00	1.5	0	0.0	0.00	0.0	19	1.3	442.00	1.5
	1981	25	5.8	686.15	1.3	0	0.0	0.00	0.0	25	2.8	686.15	1.2
	1982	29	21.2	431.87	1.2	0	0.0	0.00	0.0	29	20.0	431.87	1.2
	1983	58	21.0	1002.67	5.4	0	0.0	0.00	0.0	58	15.8	1002.67	5.4
	1984	144	34.0	2990.18	18.1	0	0.0	0.00	0.0	144	25.7	2990.18	18.0
	1985	102	17.4	2746.65	11.8	0	0.0	0.00	0.0	102	7.5	2746.65	11.5
	1986	61	11.4	1523.61	4.9	1	2.1	0.03	0.0	62	10.7	1523.64	4.9
	1987	71	10.1	933.60	3.4	7	1.4	86.49	15.9	78	6.5	1020.09	3.7
	1988	42	6.7	778.05	10.0	2	1.5	48.64	7.2	44	5.8	826.69	9.8
	TOTAL	610	12.7	12832.47	4.3	13	0.3	135.56	2.8	623	6.5	12968.03	4.3

APPENDIX D-3 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 2 OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	ELECTROFISHING %NO.	ELECTROFISHING WT(G)	ELECTROFISHING %WT	SEINING NO.	SEINING %NO.	SEINING WT(G)	SEINING %WT	TOTAL NO.	TOTAL %NO.	TOTAL WT(G)	TOTAL %WT
ORANGESPOTTED SUNFISH	1977	1	0.2	7.00	0.0	16	1.1	3.00	0.4	17	0.8	10.00	0.0
	1978	1	0.4	3.88	0.0	0	0.0	0.00	0.0	1	0.3	3.88	0.0
	1982	0	0.0	0.00	0.0	1	12.5	0.17	2.3	1	0.7	0.17	0.0
	1984	2	0.5	35.03	0.2	0	0.0	0.00	0.0	2	0.4	35.03	0.2
	1985	5	0.9	58.52	0.3	0	0.0	0.00	0.0	5	0.4	58.52	0.2
	1986	9	1.7	91.50	0.3	0	0.0	0.00	0.0	9	1.5	91.50	0.3
	TOTAL	18	0.7	195.93	0.1	17	0.7	3.17	0.2	35	0.7	199.10	0.1
BLUEGILL	1977	0	0.0	0.00	0.0	11	0.8	2.73	0.3	11	0.5	2.73	0.0
	1978	5	2.2	35.00	0.3	0	0.0	0.00	0.0	5	1.6	35.00	0.3
	1979	2	0.9	31.00	0.1	0	0.0	0.00	0.0	2	0.1	31.00	0.1
	1981	16	3.7	779.46	1.4	0	0.0	0.00	0.0	16	1.8	779.46	1.4
	1982	1	0.7	16.00	0.0	0	0.0	0.00	0.0	1	0.7	16.00	0.0
	1983	12	4.3	145.23	0.8	0	0.0	0.00	0.0	12	3.3	145.23	0.8
	1984	27	6.4	573.82	3.5	1	0.7	10.90	14.3	28	5.0	584.72	3.5
	1985	2	0.3	128.00	0.6	0	0.0	0.00	0.0	2	0.1	128.00	0.5
	1986	10	1.9	211.68	0.7	1	2.1	85.00	25.8	11	1.9	296.68	0.9
	1987	27	3.9	220.27	0.8	11	2.2	10.60	1.9	38	3.2	230.87	0.8
	TOTAL	102	2.4	2140.46	0.7	24	0.5	109.23	2.7	126	1.4	2249.69	0.8
CENTRAL LONGEAR SUNFISH	1977	1	0.2	51.00	0.1	0	0.0	0.00	0.0	1	0.1	51.00	0.1
	TOTAL	1	0.2	51.00	0.1	0	0.0	0.00	0.0	1	0.1	51.00	0.1
NORTHERN LONGEAR SUNFISH	1977	20	3.2	205.43	0.5	1	0.0	8.34	1.1	21	1.0	213.77	0.5
	TOTAL	20	3.2	205.43	0.5	1	0.0	8.34	1.1	21	1.0	213.77	0.5
LONGEAR SUNFISH	1977	1	0.2	9.10	0.0	9	0.7	5.28	0.7	10	0.5	14.38	0.0
	1978	30	13.2	349.19	3.3	0	0.0	0.00	0.0	30	9.7	349.19	3.3
	1979	16	6.8	286.69	1.0	0	0.0	0.00	0.0	16	1.1	286.69	1.0
	1981	32	7.4	947.98	1.7	0	0.0	0.00	0.0	32	3.6	947.98	1.7
	1982	3	2.2	47.00	0.1	0	0.0	0.00	0.0	3	2.1	47.00	0.1
	1983	14	5.1	233.65	1.3	0	0.0	0.00	0.0	14	3.8	233.65	1.3
	1984	76	18.0	614.05	3.7	0	0.0	0.00	0.0	76	13.5	614.05	3.7
	1985	51	8.7	512.87	2.2	0	0.0	0.00	0.0	51	3.8	512.87	2.1
	1986	100	18.7	1493.47	4.8	9	19.1	229.00	69.4	109	18.8	1722.47	5.5
	1987	90	12.9	914.54	3.4	31	6.2	132.72	24.4	121	10.0	1047.26	3.8
	1988	94	15.0	720.11	9.3	10	7.3	104.06	15.4	104	13.6	824.17	9.8
	TOTAL	507	10.6	6128.65	2.1	59	1.2	471.06	9.9	566	5.9	6599.71	2.2
GREEN SUNFISH X BLUEGILL	1982	2	1.5	19.00	0.1	0	0.0	0.00	0.0	2	1.4	19.00	0.1
	1986	1	0.2	5.21	0.0	0	0.0	0.00	0.0	1	0.2	5.21	0.0
	1988	0	0.0	0.00	0.0	1	0.7	75.91	11.2	1	0.1	75.91	0.9
	TOTAL	3	0.2	24.21	0.0	1	0.5	75.91	7.5	4	0.3	100.12	0.1
ORANGESPOTTED XLONGEAR SUNFISH	1977	1	0.2	7.39	0.0	0	0.0	0.00	0.0	1	0.1	7.39	0.0
	TOTAL	1	0.2	7.39	0.0	0	0.0	0.00	0.0	1	0.1	7.39	0.0
GREEN SUNFISH HYBRID	1981	1	0.2	5.00	0.0	0	0.0	0.00	0.0	1	0.1	5.00	0.0
	TOTAL	1	0.2	5.00	0.0	0	0.0	0.00	0.0	1	0.1	5.00	0.0
UNIDENTIFIED SUNFISH	1977	0	0.0	0.00	0.0	15	1.1	1.11	0.1	15	0.8	1.11	0.0
	1983	1	0.4	20.00	0.1	0	0.0	0.00	0.0	1	0.3	20.00	0.1
	1984	0	0.0	0.00	0.0	1	0.7	0.05	0.1	1	0.2	0.05	0.0
	TOTAL	1	0.1	20.00	0.0	16	1.0	1.16	0.1	17	0.6	21.16	0.0
SMALLMOUTH BASS	1977	61	9.9	13861.42	31.1	1	0.0	2.86	0.4	62	3.1	13864.28	30.6
	1978	49	21.5	1490.14	14.2	0	0.0	0.00	0.0	49	15.9	1490.14	14.2
	1979	56	23.8	6684.00	23.3	0	0.0	0.00	0.0	56	3.8	6684.00	22.5
	1981	60	14.0	11452.00	21.0	1	0.2	9.88	1.9	61	6.8	11461.88	20.8
	1982	15	10.9	3681.00	10.1	0	0.0	0.00	0.0	15	10.3	3681.00	10.1
	1983	49	17.8	1940.93	10.5	0	0.0	0.00	0.0	49	13.4	1940.93	10.5
	1984	44	10.4	1751.71	10.6	0	0.0	0.00	0.0	44	7.8	1751.71	10.6
	1985	38	6.5	1022.03	4.4	7	0.9	24.90	3.7	45	3.3	1046.93	4.4
	1986	26	4.9	1228.50	4.0	0	0.0	0.00	0.0	26	4.5	1228.50	3.9
	1987	29	4.1	2765.38	10.2	0	0.0	0.00	0.0	29	2.4	2765.38	10.0
	1988	59	9.4	521.01	6.7	40	29.2	157.23	23.2	99	13.0	678.24	8.0
	TOTAL	486	10.1	46398.12	15.5	49	1.0	194.87	4.1	535	5.5	46592.99	15.3
LARGEMOUTH BASS	1977	6	1.0	51.53	0.1	1	0.0	10.00	1.3	7	0.3	61.53	0.1
	1978	11	4.8	102.18	1.0	0	0.0	0.00	0.0	11	3.6	102.18	1.0
	1979	1	0.4	9.00	0.0	0	0.0	0.00	0.0	1	0.1	9.00	0.0
	1981	29	6.7	3408.00	6.3	1	0.2	1.56	0.3	30	3.3	3409.56	6.2
	1982	3	2.2	39.07	0.1	0	0.0	0.00	0.0	3	2.1	39.07	0.1
	1983	11	4.0	126.94	0.7	0	0.0	0.00	0.0	11	3.0	126.94	0.7
	1984	5	1.2	161.37	1.0	0	0.0	0.00	0.0	5	0.9	161.37	1.0
	1985	10	1.7	65.24	0.3	0	0.0	0.00	0.0	10	0.7	65.24	0.3
	1986	4	0.7	379.00	1.2	0	0.0	0.00	0.0	4	0.7	379.00	1.2
	1987	12	1.7	149.59	0.5	6	1.2	25.36	4.7	18	1.5	174.95	0.6
	1988	3	0.5	24.52	0.3	0	0.0	0.00	0.0	3	0.4	24.52	0.3
	TOTAL	95	2.0	4516.44	1.5	8	0.2	36.92	0.8	103	1.1	4553.36	1.5
WHITE CRAPPIE	1977	0	0.0	0.00	0.0	2	0.1	0.96	0.1	2	0.1	0.96	0.0
	1981	6	1.4	424.00	0.8	0	0.0	0.00	0.0	6	0.7	424.00	0.8
	1984	5	1.2	271.00	1.6	0	0.0	0.00	0.0	5	0.9	271.00	1.6
	TOTAL	11	0.7	695.00	0.6	2	0.1	0.96	0.1	13	0.4	695.96	0.6
BLACK CRAPPIE	1977	1	0.2	3.62	0.0	13	0.9	24.32	3.1	14	0.7	27.94	0.1
	1978	1	0.4	31.00	0.3	0	0.0	0.00	0.0	1	0.3	31.00	0.3
	1979	3	1.3	343.00	1.2	0	0.0	0.00	0.0	3	0.2	343.00	1.2
	1981	1	0.2	150.00	0.3	0	0.0	0.00	0.0	1	0.1	150.00	0.3
	1987	3	0.4	197.00	0.7	0	0.0	0.00	0.0	3	0.2	197.00	0.7
	TOTAL	9	0.4	724.62	0.4	13	0.3	24.32	0.8	22	0.4	748.94	0.4
JOHNNY DARTER	1977	0	0.0	0.00	0.0	5	0.4	3.69	0.5	5	0.3	3.69	0.0
	1978	1	0.4	0.56	0.0	7	8.8	2.62	4.3	8	2.6	3.18	0.0
	1979	0	0.0	0.00	0.0	3	0.2	1.04	0.1	3	0.2	1.04	0.0
	1982	0	0.0	0.00	0.0	1	12.5	0.44	6.1	1	0.7	0.44	0.0
	1983	0	0.0	0.00	0.0	3	3.3	0.65	0.9	3	0.8	0.65	0.0
	1984	0	0.0	0.00	0.0	5	3.6	1.03	1.4	5	0.9	1.03	0.0
	1985	1	0.2	0.48	0.0	108	14.0	40.98	6.2	109	8.0	41.46	0.2
	1986	0	0.0	0.00	0.0	3	6.4	1.00	0.3	3	0.5	1.00	0.0
	1987	1	0.1	0.59	0.0	59	11.7	22.68	4.2	60	5.0	23.27	0.1
	1988	6	1.0	2.91	0.0	9	6.6	4.87	0.7	15	2.0	7.78	0.1
	TOTAL	9	0.2	4.54	0.0	203	4.6	79.00	1.9	212	2.4	83.54	0.0
YELLOW PERCH	1977	1	0.2	5.00	0.0	0	0.0	0.00	0.0	1	0.1	5.00	0.0
	1983	1	0.4	37.00	0.2	0	0.0	0.00	0.0	1	0.3	37.00	0.2
	1988	3	0.5	19.52	0.3	0	0.0	0.00	0.0	3	0.4	19.52	0.2
	TOTAL	5	0.3	61.52	0.1	0	0.0	0.00	0.0	5	0.2	61.52	0.1
LOG PERCH	1987	0	0.0	0.00	0.0	1	0.2	1.56	0.3	1	0.1	1.56	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.2	1.56	0.3	1	0.1	1.56	0.0
BLACKSIDE DARTER	1983	3	1.1	1.83	0.0	0	0.0	0.00	0.0	3	0.8	1.83	0.0
	1984	1	0.2	0.64	0.0	0	0.0	0.00	0.0	1	0.2	0.64	0.0
	1985	0	0.0	0.00	0.0	4	0.5	4.52	0.7	4	0.3	4.52	0.0
	1987	2	0.3	2.25	0.0	6	1.2	6.13	1.1	8	0.7	8.38	0.0
	1988	9	1.4	13.63	0.2	3	2.2	6.43	0.9	12	1.6	20.06	0.2
	TOTAL	15	0.6	18.35	0.0	13	0.8	17.08	0.8	28	0.7	35.43	0.0

APPENDIX D-3 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 2 OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	%NO.	WT(G)	%WT	SEINING NO.	%NO.	WT(G)	%WT	TOTAL NO.	%NO.	WT(G)	%WT
WALLEYE	1977	1	0.2	45.00	0.1	0	0.0	0.00	0.0	1	0.1	45.00	0.1
	1981	3	0.7	1023.00	1.9	0	0.0	0.00	0.0	3	0.3	1023.00	1.9
	1983	1	0.4	145.00	0.8	0	0.0	0.00	0.0	1	0.3	145.00	0.8
	1987	3	0.4	117.61	0.4	0	0.0	0.00	0.0	3	0.2	117.61	0.4
	TOTAL	8	0.4	1330.61	0.9	0	0.0	0.00	0.0	8	0.2	1330.61	0.9

APPENDIX D-4. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	%NO.	WT(G)	%WT	SEINING NO.	%NO.	WT(G)	%WT	TOTAL NO.	%NO.	WT(G)	%WT
LONGNOSE GAR	1978	0	0.0	0.00	0.0	1	0.8	9.04	9.5	1	0.3	9.04	0.1
	1984	0	0.0	0.00	0.0	1	1.4	1.42	2.0	1	0.7	1.42	0.0
	TOTAL	0	0.0	0.00	0.0	2	1.0	10.46	6.3	2	0.4	10.46	0.0
GIZZARD SHAD	1977	2	1.3	22.70	0.1	5	0.8	6.46	0.9	7	0.9	29.16	0.2
	1978	17	9.6	139.61	1.5	0	0.0	0.00	0.0	17	5.5	139.61	1.5
	1981	1	1.0	30.00	0.1	0	0.0	0.00	0.0	1	0.7	30.00	0.1
	1987	4	2.5	1097.00	9.1	0	0.0	0.00	0.0	4	1.7	1097.00	9.0
	1988	2	0.8	548.00	2.4	0	0.0	0.00	0.0	2	0.6	548.00	2.3
	TOTAL	26	3.1	1837.31	2.2	5	0.5	6.46	0.3	31	1.7	1843.77	2.1
GRASS PICKEREL	1977	1	0.4	7.00	0.0	1	0.2	35.00	4.8	2	0.2	42.00	0.2
	1978	3	1.7	90.00	1.0	0	0.0	0.00	0.0	3	1.0	90.00	0.9
	1979	1	1.2	23.00	0.3	0	0.0	0.00	0.0	1	0.6	23.00	0.3
	1981	4	3.8	80.00	0.4	2	6.7	19.81	33.5	6	4.5	99.81	0.4
	1985	2	1.5	123.00	1.0	0	0.0	0.00	0.0	2	0.6	123.00	1.0
	1986	2	0.9	22.00	0.2	1	1.1	14.02	2.5	3	0.9	36.02	0.2
	1987	1	0.6	66.00	0.5	0	0.0	0.00	0.0	1	0.4	66.00	0.5
	1988	0	0.0	0.00	0.0	2	1.9	28.34	3.2	2	0.6	28.34	0.1
	TOTAL	14	1.1	411.00	0.3	6	0.4	97.17	3.2	20	0.7	508.17	0.4
NORTHERN PIKE	1977	1	0.8	283.00	1.6	0	0.0	0.00	0.0	1	0.1	283.00	1.6
	1978	0	0.0	0.00	0.0	1	0.8	25.00	26.2	1	0.3	25.00	0.3
	1979	5	5.8	1280.00	17.8	0	0.0	0.00	0.0	5	3.1	1280.00	16.9
	1982	0	0.0	0.00	0.0	1	2.1	335.00	92.1	1	1.2	335.00	4.0
	TOTAL	6	1.4	1563.00	3.7	2	0.2	360.00	23.2	8	0.6	1923.00	4.4
CENTRAL STONEROLLER	1977	1	0.4	1.39	0.0	0	0.0	0.00	0.0	1	0.1	1.39	0.0
	TOTAL	1	0.4	1.39	0.0	0	0.0	0.00	0.0	1	0.1	1.39	0.0
CARP	1977	2	1.3	1547.50	9.0	1	0.2	1.49	0.2	3	0.3	1548.99	8.6
	1981	3	2.9	4260.00	18.8	0	0.0	0.00	0.0	3	2.2	4260.00	18.8
	1982	2	5.4	3433.00	43.3	0	0.0	0.00	0.0	2	2.4	3433.00	41.4
	1983	2	4.4	3560.00	26.8	0	0.0	0.00	0.0	2	4.1	3560.00	26.8
	1988	2	0.8	125.00	0.5	0	0.0	0.00	0.0	2	0.6	125.00	0.5
	TOTAL	11	1.9	12925.50	15.3	1	0.1	1.49	0.1	12	0.8	12926.99	15.0
HORNYHEAD CHUB	1977	0	0.0	0.00	0.0	1	0.2	0.22	0.0	1	0.1	0.22	0.0
	1979	1	1.2	5.17	0.1	0	0.0	0.00	0.0	1	0.6	5.17	0.1
	TOTAL	1	0.5	5.17	0.0	1	0.1	0.22	0.0	2	0.2	5.39	0.0
EMERALD SHINER	1977	0	0.0	0.00	0.0	4	0.6	2.29	0.3	4	0.5	2.29	0.0
	1984	1	1.4	1.27	0.0	0	0.0	0.00	0.0	1	0.7	1.27	0.0
	1985	0	0.0	0.00	0.0	11	4.9	1.41	1.0	11	3.1	1.41	0.0
	1986	0	0.0	0.00	0.0	1	1.1	0.32	0.1	1	0.3	0.32	0.0
	TOTAL	1	0.2	1.27	0.0	16	1.6	4.02	0.3	17	1.1	5.29	0.0
STRIPED SHINER	1977	0	0.0	0.00	0.0	28	4.5	15.04	2.0	28	3.8	15.04	0.1
	1978	0	0.0	0.00	0.0	71	55.0	26.13	27.4	71	23.1	26.13	0.3
	1982	0	0.0	0.00	0.0	16	34.0	7.78	2.1	16	19.0	7.78	0.1
	1983	0	0.0	0.00	0.0	1	25.0	0.20	3.3	1	2.0	0.20	0.0
	1984	0	0.0	0.00	0.0	9	13.0	2.09	2.9	9	6.3	2.09	0.0
	1985	0	0.0	0.00	0.0	5	2.2	2.18	1.5	5	1.4	2.18	0.0
	1986	1	0.4	12.00	0.1	1	1.1	1.65	0.3	2	0.6	13.65	0.1
	1987	1	0.6	10.86	0.1	0	0.0	0.00	0.0	1	0.4	10.86	0.1
	1988	1	0.4	0.43	0.0	2	1.9	8.42	1.0	3	0.8	8.85	0.0
	TOTAL	3	0.2	23.29	0.0	133	9.8	63.49	2.1	136	5.2	86.78	0.1
RED SHINER	1986	0	0.0	0.00	0.0	1	1.1	0.88	0.2	1	0.3	0.88	0.0
	TOTAL	0	0.0	0.00	0.0	1	1.1	0.88	0.2	1	0.3	0.88	0.0
ROSYFACE SHINER	1977	2	1.3	2.15	0.0	190	30.7	74.84	10.2	192	25.9	76.99	0.4
	1978	0	0.0	0.00	0.0	1	0.8	0.33	0.3	1	0.3	0.33	0.0
	1979	0	0.0	0.00	0.0	30	40.5	11.65	3.3	30	18.8	11.65	0.2
	1981	0	0.0	0.00	0.0	1	3.3	1.43	2.4	1	0.7	1.43	0.0
	1982	0	0.0	0.00	0.0	23	48.9	7.09	1.9	23	27.4	7.09	0.1
	1984	0	0.0	0.00	0.0	5	7.2	0.85	1.2	5	3.5	0.85	0.0
	1985	0	0.0	0.00	0.0	49	21.7	8.30	5.7	49	13.8	8.30	0.1
	1986	0	0.0	0.00	0.0	4	4.4	0.98	0.2	4	1.2	0.98	0.0
	1987	5	3.1	5.62	0.0	0	0.0	0.00	0.0	5	2.1	5.62	0.0
	1988	2	0.8	1.73	0.0	0	0.0	0.00	0.0	2	0.6	1.73	0.0
	TOTAL	9	0.6	9.50	0.0	303	20.8	105.47	3.0	312	11.0	114.97	0.1
SPOTFIN SHINER	1977	6	4.6	17.92	0.1	106	17.1	69.95	9.5	112	15.1	87.87	0.5
	1978	1	0.6	3.79	0.0	0	0.0	0.00	0.0	1	0.3	3.79	0.0
	1979	1	1.2	6.73	0.1	21	28.4	21.45	6.0	22	13.8	28.18	0.4
	1981	2	1.9	7.38	0.0	7	23.3	9.71	16.4	9	6.7	17.09	0.1
	1983	3	6.7	8.02	0.1	0	0.0	0.00	0.0	3	6.1	8.02	0.1
	1984	3	4.1	5.99	0.0	27	39.1	23.64	33.1	30	21.0	29.63	0.2
	1985	1	0.8	2.15	0.0	33	14.6	2.91	2.0	34	9.6	5.06	0.0
	1986	2	0.9	3.24	0.0	18	20.0	16.72	2.9	20	6.2	19.96	0.1
	1987	8	4.9	12.97	0.1	45	62.5	44.32	22.3	53	22.6	57.29	0.5
	1988	1	0.4	2.93	0.0	0	0.0	0.00	0.0	1	0.3	2.93	0.0
	TOTAL	28	2.0	71.12	0.0	257	18.1	188.70	6.1	285	10.2	259.82	0.2
SAND SHINER	1977	0	0.0	0.00	0.0	5	0.8	2.51	0.3	5	0.7	2.51	0.0
	1978	0	0.0	0.00	0.0	8	6.2	2.95	3.1	8	2.6	2.95	0.0
	1984	0	0.0	0.00	0.0	1	1.4	0.60	0.8	1	0.7	0.60	0.0
	TOTAL	0	0.0	0.00	0.0	14	1.7	6.06	0.7	14	1.2	6.06	0.0
REDFIN SHINER	1977	0	0.0	0.00	0.0	56	9.0	11.90	1.6	56	7.6	11.90	0.1
	1978	0	0.0	0.00	0.0	2	1.6	2.35	2.5	2	0.7	2.35	0.0
	1979	0	0.0	0.00	0.0	3	4.1	3.42	1.0	3	1.9	3.42	0.0
	1981	0	0.0	0.00	0.0	2	6.7	1.93	3.3	2	1.5	1.93	0.0
	1982	0	0.0	0.00	0.0	1	2.1	0.29	0.1	1	1.2	0.29	0.0
	1984	0	0.0	0.00	0.0	3	4.3	2.44	3.4	3	2.1	2.44	0.0
	1986	0	0.0	0.00	0.0	16	17.8	12.12	2.1	16	5.0	12.12	0.1
	1987	0	0.0	0.00	0.0	3	4.2	2.47	1.2	3	1.3	2.47	0.0
	TOTAL	0	0.0	0.00	0.0	86	7.6	36.92	1.5	86	4.1	36.92	0.0
MIMIC SHINER	1977	0	0.0	0.00	0.0	10	1.6	3.93	0.5	10	1.4	3.93	0.0
	1981	0	0.0	0.00	0.0	3	10.0	0.97	1.6	3	2.2	0.97	0.0
	1986	0	0.0	0.00	0.0	1	1.1	0.39	0.1	1	0.3	0.39	0.0
	TOTAL	0	0.0	0.00	0.0	14	1.9	5.29	0.4	14	1.2	5.29	0.0
SUCKERMOUTH MINNOW	1979	0	0.0	0.00	0.0	1	1.4	0.81	0.2	1	0.6	0.81	0.0
	TOTAL	0	0.0	0.00	0.0	1	1.4	0.81	0.2	1	0.6	0.81	0.0

APPENDIX D-4 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING				SEINING				TOTAL			
		NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT
BLUNTNOSE MINNOW	1977	2	1.7	4.99	0.0	24	3.9	14.40	2.0	26	3.5	19.39	0.1
	1978	2	1.1	7.43	0.1	35	27.1	14.78	15.5	37	12.1	22.21	0.2
	1979	1	1.2	3.64	0.1	7	9.5	5.75	1.6	8	5.0	9.39	0.1
	1981	1	1.0	1.18	0.0	1	3.3	0.63	1.1	2	1.5	1.81	0.0
	1982	1	2.7	5.04	0.1	0	0.0	0.00	0.0	1	1.2	5.04	0.1
	1983	3	6.7	4.02	0.0	2	50.0	5.15	85.8	5	10.2	9.17	0.1
	1984	3	4.1	4.27	0.0	4	5.8	4.15	5.8	7	4.9	8.42	0.1
	1985	2	1.5	9.79	0.1	40	17.7	11.87	8.2	42	11.8	21.66	0.2
	1986	10	4.3	18.53	0.1	38	42.2	30.81	5.4	48	15.0	49.34	0.3
	1987	1	0.6	1.05	0.0	2	2.8	1.20	0.6	3	1.3	2.25	0.0
	1988	0	0.0	0.00	0.0	2	1.9	5.84	0.7	2	0.6	5.84	0.0
	TOTAL	26	1.8	59.94	0.0	155	10.6	94.58	2.7	181	6.3	154.52	0.1
BULLHEAD MINNOW	1977	3	2.5	12.10	0.1	32	5.2	19.37	2.6	35	4.7	31.47	0.2
	1982	0	0.0	0.00	0.0	1	2.1	0.10	0.0	1	1.2	0.10	0.0
	1987	1	0.6	2.84	0.0	0	0.0	0.00	0.0	1	0.4	2.84	0.0
	TOTAL	4	1.3	14.94	0.0	33	4.5	19.47	1.5	37	3.5	34.41	0.1
UNIDENTIFIED MINNOWS	1977	0	0.0	0.00	0.0	68	11.0	4.46	0.6	68	9.2	4.46	0.0
	1978	0	0.0	0.00	0.0	5	3.9	0.41	0.4	5	1.6	0.41	0.0
	TOTAL	0	0.0	0.00	0.0	73	9.8	4.87	0.6	73	7.0	4.87	0.0
QUILLBACK	1977	1	0.4	295.00	1.7	1	0.2	1.02	0.1	2	0.2	296.02	1.6
	1981	1	1.0	500.00	2.2	0	0.0	0.00	0.0	1	0.7	500.00	2.2
	1982	1	2.7	600.00	7.6	0	0.0	0.00	0.0	1	1.2	600.00	7.2
	1983	4	8.9	2250.00	16.9	0	0.0	0.00	0.0	4	8.2	2250.00	16.9
	1984	1	1.4	440.00	3.1	0	0.0	0.00	0.0	1	0.7	440.00	3.1
	1985	3	2.3	2130.00	17.5	0	0.0	0.00	0.0	3	0.8	2130.00	17.3
	1986	4	1.7	2600.00	18.1	0	0.0	0.00	0.0	4	1.2	2600.00	17.4
	1987	4	2.5	2315.00	19.3	0	0.0	0.00	0.0	4	1.7	2315.00	19.0
	1988	1	0.4	953.40	4.1	0	0.0	0.00	0.0	1	0.3	953.40	4.0
	TOTAL	20	1.7	12083.40	8.8	1	0.1	1.02	0.0	21	0.8	12084.42	8.6
WHITE SUCKER	1981	1	1.0	360.00	1.6	0	0.0	0.00	0.0	1	0.7	360.00	1.6
	TOTAL	1	1.0	360.00	1.6	0	0.0	0.00	0.0	1	0.7	360.00	1.6
NORTHERN HOGSUCKER	1981	2	1.9	785.00	3.5	0	0.0	0.00	0.0	2	1.5	785.00	3.5
	1982	1	2.7	310.00	3.9	0	0.0	0.00	0.0	1	1.2	310.00	3.7
	1983	2	4.4	1190.00	9.0	0	0.0	0.00	0.0	2	4.1	1190.00	8.9
	1984	4	5.4	1940.00	13.8	0	0.0	0.00	0.0	4	2.8	1940.00	13.7
	1985	1	0.8	500.00	4.1	0	0.0	0.00	0.0	1	0.3	500.00	4.1
	1986	1	0.4	725.00	5.0	0	0.0	0.00	0.0	1	0.3	725.00	4.8
	1988	7	2.8	4049.00	17.5	0	0.0	0.00	0.0	7	2.0	4049.00	16.9
	TOTAL	18	2.1	9499.00	8.8	0	0.0	0.00	0.0	18	1.2	9499.00	8.7
SILVER REDHORSE	1977	1	0.4	810.00	4.7	0	0.0	0.00	0.0	1	0.1	810.00	4.5
	1978	1	0.6	1140.00	12.1	0	0.0	0.00	0.0	1	0.3	1140.00	12.0
	1983	2	4.4	857.00	6.4	0	0.0	0.00	0.0	2	4.1	857.00	6.4
	1984	1	1.4	890.00	6.3	0	0.0	0.00	0.0	1	0.7	890.00	6.3
	1985	1	0.8	880.00	7.2	0	0.0	0.00	0.0	1	0.3	880.00	7.1
	TOTAL	6	1.0	4577.00	6.9	0	0.0	0.00	0.0	6	0.3	4577.00	6.8
RIVER REDHORSE	1977	5	4.2	553.50	3.2	0	0.0	0.00	0.0	5	0.7	553.50	3.1
	1978	1	0.6	36.00	0.4	0	0.0	0.00	0.0	1	0.3	36.00	0.4
	1979	2	2.3	56.00	0.8	0	0.0	0.00	0.0	2	1.3	56.00	0.7
	1981	1	1.0	180.00	0.8	0	0.0	0.00	0.0	1	0.7	180.00	0.8
	1983	1	2.2	560.00	4.2	0	0.0	0.00	0.0	1	2.0	560.00	4.2
	1984	2	2.7	2715.00	19.3	0	0.0	0.00	0.0	2	1.4	2715.00	19.2
	1986	5	2.2	158.00	1.1	0	0.0	0.00	0.0	5	1.6	158.00	1.1
	1987	1	0.6	140.00	1.2	0	0.0	0.00	0.0	1	0.4	140.00	1.1
	1988	1	0.4	90.00	0.4	0	0.0	0.00	0.0	1	0.3	90.00	0.4
	TOTAL	19	1.5	4488.50	3.4	0	0.0	0.00	0.0	19	0.8	4488.50	3.3
BLACK REDHORSE	1983	2	4.4	458.00	3.4	0	0.0	0.00	0.0	2	4.1	458.00	3.4
	1986	1	0.4	200.00	1.4	0	0.0	0.00	0.0	1	0.3	200.00	1.3
	1988	4	1.6	1410.00	6.1	0	0.0	0.00	0.0	4	1.1	1410.00	5.9
	TOTAL	7	1.3	2068.00	4.1	0	0.0	0.00	0.0	7	1.0	2068.00	4.0
GOLDEN REDHORSE	1977	21	17.5	6782.50	39.3	0	0.0	0.00	0.0	21	2.8	6782.50	37.7
	1978	7	3.9	1248.00	13.3	0	0.0	0.00	0.0	7	2.3	1248.00	13.1
	1979	7	8.1	2140.00	29.7	0	0.0	0.00	0.0	7	4.4	2140.00	28.3
	1981	20	19.2	5654.00	25.0	0	0.0	0.00	0.0	20	14.9	5654.00	24.9
	1982	4	10.8	730.00	9.2	0	0.0	0.00	0.0	4	4.8	730.00	8.8
	1983	5	11.1	2430.00	18.3	0	0.0	0.00	0.0	5	10.2	2430.00	18.3
	1984	18	24.3	5464.00	38.8	0	0.0	0.00	0.0	18	12.6	5464.00	38.6
	1985	19	14.6	4158.00	34.2	0	0.0	0.00	0.0	19	5.3	4158.00	33.8
	1986	24	10.4	3685.70	25.6	1	1.1	21.00	3.7	25	7.8	3706.70	24.8
	1987	16	9.8	3005.06	25.0	0	0.0	0.00	0.0	16	6.8	3005.06	24.6
	1988	27	10.6	11776.80	50.9	0	0.0	0.00	0.0	27	7.6	11776.80	49.1
	TOTAL	168	11.8	47074.06	30.7	1	0.1	21.00	0.6	169	5.9	47095.06	30.0
SHORTHEAD REDHORSE	1977	8	6.7	2433.50	14.1	0	0.0	0.00	0.0	8	1.1	2433.50	13.5
	1978	1	0.6	35.00	0.4	0	0.0	0.00	0.0	1	0.3	35.00	0.4
	1979	2	2.3	497.00	6.9	0	0.0	0.00	0.0	2	1.3	497.00	6.6
	1981	17	16.3	6147.00	27.2	0	0.0	0.00	0.0	17	12.7	6147.00	27.1
	1982	1	2.7	240.00	3.0	0	0.0	0.00	0.0	1	1.2	240.00	2.9
	1983	2	4.4	860.00	6.5	0	0.0	0.00	0.0	2	4.1	860.00	6.5
	1984	4	5.4	286.00	2.0	0	0.0	0.00	0.0	4	2.8	286.00	2.0
	1985	2	1.5	514.00	4.2	0	0.0	0.00	0.0	2	0.6	514.00	4.2
	1986	6	2.6	760.02	5.3	0	0.0	0.00	0.0	6	1.9	760.02	5.1
	1988	2	0.8	1101.00	4.8	0	0.0	0.00	0.0	2	0.6	1101.00	4.6
	TOTAL	45	3.6	12873.52	9.1	0	0.0	0.00	0.0	45	1.7	12873.52	8.9
UNIDENTIFIED REDHORSE	1977	2	1.7	7.16	0.0	3	0.5	7.82	1.1	5	0.7	14.98	0.1
	1983	1	2.2	0.94	0.0	0	0.0	0.00	0.0	1	2.0	0.94	0.0
	TOTAL	3	1.8	8.10	0.0	3	0.5	7.82	1.1	6	0.8	15.92	0.1
CHANNEL CATFISH	1977	2	1.3	876.50	5.1	0	0.0	0.00	0.0	2	0.2	876.50	4.9
	1978	2	1.1	2160.00	23.0	0	0.0	0.00	0.0	2	0.7	2160.00	22.8
	TOTAL	4	1.2	3036.50	11.4	0	0.0	0.00	0.0	4	0.3	3036.50	11.0

APPENDIX D-4 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	ELECTROFISHING %NO.	ELECTROFISHING WT(G)	ELECTROFISHING %WT	SEINING NO.	SEINING %NO.	SEINING WT(G)	SEINING %WT	TOTAL NO.	TOTAL %NO.	TOTAL WT(G)	TOTAL %WT
STONECAT	1977	1	0.4	12.50	0.1	0	0.0	0.00	0.0	1	0.1	12.50	0.1
	1979	2	2.3	55.00	0.8	0	0.0	0.00	0.0	2	1.3	55.00	0.7
	1984	1	1.4	8.00	0.1	0	0.0	0.00	0.0	1	0.7	8.00	0.1
	TOTAL	4	1.3	75.50	0.2	0	0.0	0.00	0.0	4	0.3	75.50	0.2
BLACKSTRIPE TOPMINNOW	1977	0	0.0	0.00	0.0	7	1.1	2.01	0.3	7	0.9	2.01	0.0
	1979	0	0.0	0.00	0.0	1	1.4	2.08	0.6	1	0.6	2.08	0.0
	1985	0	0.0	0.00	0.0	4	1.8	1.08	0.7	4	1.1	1.08	0.0
	1987	1	0.6	0.01	0.0	7	9.7	4.96	2.5	8	3.4	4.97	0.0
	1988	0	0.0	0.00	0.0	13	12.6	9.84	1.1	13	3.6	9.84	0.0
	TOTAL	1	0.1	0.01	0.0	32	2.9	19.97	0.9	33	1.8	19.98	0.0
BROOK SILVERSIDE	1977	3	2.5	3.26	0.0	44	7.1	25.98	3.5	47	6.4	29.24	0.2
	1978	1	0.6	2.03	0.0	0	0.0	0.00	0.0	1	0.3	2.03	0.0
	1984	0	0.0	0.00	0.0	16	23.2	3.49	4.9	16	11.2	3.49	0.0
	1985	0	0.0	0.00	0.0	69	30.5	18.79	12.9	69	19.4	18.79	0.2
	1986	2	0.9	3.10	0.0	0	0.0	0.00	0.0	2	0.6	3.10	0.0
	1987	1	0.6	1.83	0.0	7	9.7	5.51	2.8	8	3.4	7.34	0.1
	1988	11	4.3	14.65	0.1	0	0.0	0.00	0.0	11	3.1	14.65	0.1
	TOTAL	18	1.6	24.87	0.0	136	10.4	53.77	2.0	154	6.3	78.64	0.1
ROCK BASS	1977	14	11.7	851.92	4.9	8	1.3	393.21	53.5	22	3.0	1245.13	6.9
	1978	25	14.0	1440.00	15.3	2	1.6	0.41	0.4	27	8.8	1440.41	15.2
	1979	14	16.3	761.00	10.6	2	2.7	180.00	50.3	16	10.0	941.00	12.5
	1981	14	13.5	1272.00	5.6	4	13.3	0.74	1.3	18	13.4	1272.74	5.6
	1982	4	10.8	418.00	5.3	0	0.0	0.00	0.0	4	4.8	418.00	5.0
	1983	2	4.4	255.00	1.9	0	0.0	0.00	0.0	2	4.1	255.00	1.9
	1984	5	6.8	254.00	1.8	0	0.0	0.00	0.0	5	3.5	254.00	1.8
	1985	17	13.1	839.50	6.9	1	0.4	13.41	9.2	18	5.1	852.91	6.9
	1986	34	14.7	2314.59	16.1	2	2.2	351.00	61.9	36	11.2	2665.59	17.8
	1987	30	18.4	1415.10	11.8	1	1.4	28.45	14.3	31	13.2	1443.55	11.8
	1988	10	3.9	1118.25	4.8	18	17.5	284.61	32.5	28	7.8	1402.86	5.8
	TOTAL	169	11.9	10939.36	7.1	38	2.6	1251.83	36.0	207	7.2	12191.19	7.8
GREEN SUNFISH	1977	11	9.2	263.27	1.5	1	0.2	0.16	0.0	12	1.6	263.43	1.5
	1978	26	14.6	695.00	7.4	0	0.0	0.00	0.0	26	8.5	695.00	7.3
	1979	14	16.3	301.00	4.2	0	0.0	0.00	0.0	14	8.8	301.00	4.0
	1981	11	10.6	293.00	1.3	1	3.3	0.26	0.4	12	9.0	293.26	1.3
	1982	3	8.1	55.00	0.7	0	0.0	0.00	0.0	3	3.6	55.00	0.7
	1985	2	1.5	73.85	0.6	0	0.0	0.00	0.0	2	0.6	73.85	0.6
	1986	8	3.5	291.00	2.0	0	0.0	0.00	0.0	8	2.5	291.00	1.9
	1987	7	4.3	288.20	2.4	1	1.4	56.58	28.4	8	3.4	344.78	2.8
	TOTAL	82	7.8	2260.32	2.2	3	0.2	57.00	2.3	85	3.6	2317.32	2.2
PUMPKINSEED	1977	1	0.4	3.34	0.0	0	0.0	0.00	0.0	1	0.1	3.34	0.0
	TOTAL	1	0.4	3.34	0.0	0	0.0	0.00	0.0	1	0.1	3.34	0.0
ORANGESPOTTED SUNFISH	1977	1	0.8	3.03	0.0	4	0.6	1.12	0.2	5	0.7	4.15	0.0
	1978	6	3.4	98.00	1.0	0	0.0	0.00	0.0	6	2.0	98.00	1.0
	1979	4	4.7	70.00	1.0	0	0.0	0.00	0.0	4	2.5	70.00	0.9
	1981	2	1.9	19.00	0.1	2	6.7	6.25	10.6	4	3.0	25.25	0.1
	1983	2	4.4	35.00	0.3	0	0.0	0.00	0.0	2	4.1	35.00	0.3
	1985	3	2.3	51.00	0.4	0	0.0	0.00	0.0	3	0.8	51.00	0.4
	1986	27	11.7	320.44	2.2	1	1.1	10.88	1.9	28	8.7	331.32	2.2
	1987	3	1.8	40.09	0.3	1	1.4	0.79	0.4	4	1.7	40.88	0.3
	TOTAL	48	4.5	636.56	0.6	8	0.6	19.04	0.9	56	2.4	655.60	0.6
BLUEGILL	1977	1	0.4	0.92	0.0	0	0.0	0.00	0.0	1	0.1	0.92	0.0
	1978	6	3.4	83.00	0.9	1	0.8	10.00	10.5	7	2.3	93.00	1.0
	1979	1	1.2	31.00	0.4	0	0.0	0.00	0.0	1	0.6	31.00	0.4
	1981	3	2.9	12.00	0.1	1	3.3	2.64	4.5	4	3.0	14.64	0.1
	1982	1	2.7	45.00	0.6	0	0.0	0.00	0.0	1	1.2	45.00	0.5
	1984	1	1.4	16.00	0.1	0	0.0	0.00	0.0	1	0.7	16.00	0.1
	1986	4	1.7	33.07	0.2	1	1.1	2.86	0.5	5	1.6	35.93	0.2
	1987	1	0.6	6.00	0.0	1	1.4	6.86	3.4	2	0.9	12.86	0.1
	TOTAL	18	1.8	226.99	0.2	4	0.4	22.36	0.9	22	1.0	249.35	0.2
NORTHERN LONGEAR SUNFISH	1977	12	10.0	170.39	1.0	0	0.0	0.00	0.0	12	1.6	170.39	0.9
	TOTAL	12	10.0	170.39	1.0	0	0.0	0.00	0.0	12	1.6	170.39	0.9
LONGEAR SUNFISH	1977	4	2.9	50.04	0.3	1	0.2	0.24	0.0	5	0.6	50.28	0.3
	1978	62	34.8	1050.00	11.2	0	0.0	0.00	0.0	62	20.2	1050.00	11.1
	1979	21	24.4	533.31	7.4	2	2.7	61.00	17.1	23	14.4	594.31	7.9
	1981	8	7.7	154.00	0.7	0	0.0	0.00	0.0	8	6.0	154.00	0.7
	1982	7	18.9	159.00	2.0	1	2.1	7.01	1.9	8	9.5	166.01	2.0
	1983	5	11.1	87.00	0.7	0	0.0	0.00	0.0	5	10.2	87.00	0.7
	1984	11	14.9	168.26	1.2	2	2.9	29.62	41.5	13	9.1	197.88	1.4
	1985	28	21.5	382.76	3.1	5	2.2	61.92	42.6	33	9.3	444.68	3.6
	1986	80	34.6	1085.59	7.5	4	4.4	103.15	18.2	84	26.2	1188.74	7.9
	1987	42	25.8	458.31	3.8	2	2.8	41.43	20.8	44	18.7	499.74	4.1
	1988	3	1.2	42.00	0.2	23	22.3	287.52	32.8	26	7.3	329.52	1.4
	TOTAL	271	19.0	4170.27	2.7	40	2.7	591.89	17.0	311	10.8	4762.16	3.0
GREEN X LONGEAR SUNFISH	1979	1	1.2	9.00	0.1	0	0.0	0.00	0.0	1	0.6	9.00	0.1
	TOTAL	1	1.2	9.00	0.1	0	0.0	0.00	0.0	1	0.6	9.00	0.1
GREEN SUNFISH HYBRID	1981	1	1.0	10.00	0.0	0	0.0	0.00	0.0	1	0.7	10.00	0.0
	TOTAL	1	1.0	10.00	0.0	0	0.0	0.00	0.0	1	0.7	10.00	0.0
UNIDENTIFIED SUNFISH	1977	0	0.0	0.00	0.0	2	0.3	0.09	0.0	2	0.3	0.09	0.0
	1981	0	0.0	0.00	0.0	1	3.3	0.12	0.2	1	0.7	0.12	0.0
	1983	0	0.0	0.00	0.0	1	25.0	0.65	10.8	1	2.0	0.65	0.0
	TOTAL	0	0.0	0.00	0.0	4	0.6	0.86	0.1	4	0.4	0.86	0.0
SMALLMOUTH BASS	1977	16	12.9	2176.05	12.6	0	0.0	0.00	0.0	16	2.1	2176.05	12.1
	1978	14	7.9	1140.00	12.1	1	0.8	1.59	1.7	15	4.9	1141.59	12.0
	1979	8	9.3	1422.00	19.8	0	0.0	0.00	0.0	8	5.0	1422.00	18.8
	1981	8	7.7	2572.00	11.4	0	0.0	0.00	0.0	8	6.0	2572.00	11.3
	1982	12	32.4	1938.03	24.4	0	0.0	0.00	0.0	12	14.3	1938.03	23.4
	1983	8	17.8	727.32	5.5	0	0.0	0.00	0.0	8	16.3	727.32	5.5
	1984	17	23.0	1804.92	12.8	0	0.0	0.00	0.0	17	11.9	1804.92	12.8
	1985	48	36.9	2149.59	17.7	8	3.5	22.96	15.8	56	15.7	2172.55	17.7
	1986	18	7.8	1755.64	12.2	0	0.0	0.00	0.0	18	5.6	1755.64	11.7
	1987	34	20.9	3041.52	25.3	0	0.0	0.00	0.0	34	14.5	3041.52	24.9
	1988	135	53.1	1770.63	7.7	41	39.8	241.71	27.6	176	49.3	2012.34	8.4
	TOTAL	318	22.3	20497.70	13.4	50	3.4	266.26	7.7	368	12.7	20763.96	13.2

APPENDIX D-4 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING				SEINING				TOTAL			
		NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT
LARGEMOUTH BASS	1977	1	0.8	8.79	0.1	0	0.0	0.00	0.0	1	0.1	8.79	0.0
	1978	2	1.1	5.00	0.1	1	0.8	2.48	2.6	3	1.0	7.48	0.1
	1979	1	1.2	2.69	0.0	0	0.0	0.00	0.0	1	0.6	2.69	0.0
	1982	0	0.0	0.00	0.0	3	6.4	5.65	1.6	3	3.6	5.65	0.1
	1983	1	2.2	8.00	0.1	0	0.0	0.00	0.0	1	2.0	8.00	0.1
	1984	0	0.0	0.00	0.0	1	1.4	3.08	4.3	1	0.7	3.08	0.0
	1985	1	0.8	350.00	2.9	0	0.0	0.00	0.0	1	0.3	350.00	2.8
	1986	2	0.9	402.00	2.8	0	0.0	0.00	0.0	2	0.6	402.00	2.7
	1987	2	1.2	95.92	0.8	2	2.8	6.33	3.2	4	1.7	102.25	0.8
	TOTAL	10	0.9	872.40	0.8	7	0.5	17.54	0.7	17	0.7	889.94	0.8
WHITE CRAPPIE	1979	0	0.0	0.00	0.0	4	5.4	68.76	19.2	4	2.5	68.76	0.9
	1981	4	3.8	293.00	1.3	0	0.0	0.00	0.0	4	3.0	293.00	1.3
	1982	0	0.0	0.00	0.0	1	2.1	0.75	0.2	1	1.2	0.75	0.0
	1984	2	2.7	77.00	0.5	0	0.0	0.00	0.0	2	1.4	77.00	0.5
	TOTAL	6	2.0	370.00	0.7	5	2.3	69.51	8.2	11	2.1	439.51	0.8
BLACK CRAPPIE	1977	1	0.4	4.00	0.0	14	2.3	41.09	5.6	15	2.0	45.09	0.3
	1978	1	0.6	26.00	0.3	0	0.0	0.00	0.0	1	0.3	26.00	0.3
	1979	0	0.0	0.00	0.0	3	4.1	2.74	0.8	3	1.9	2.74	0.0
	1981	0	0.0	0.00	0.0	5	16.7	14.70	24.8	5	3.7	14.70	0.1
	1988	0	0.0	0.00	0.0	1	1.0	7.29	0.8	1	0.3	7.29	0.0
	TOTAL	2	0.2	30.00	0.0	23	2.4	65.82	3.1	25	1.4	95.82	0.1
JOHNNY DARTER	1977	0	0.0	0.00	0.0	2	0.3	0.30	0.0	2	0.3	0.30	0.0
	1985	0	0.0	0.00	0.0	1	0.4	0.54	0.4	1	0.3	0.54	0.0
	1988	1	0.4	0.43	0.0	0	0.0	0.00	0.0	1	0.3	0.43	0.0
	TOTAL	1	0.2	0.43	0.0	3	0.3	0.84	0.0	4	0.3	1.27	0.0
BANDED DARTER	1977	0	0.0	0.00	0.0	1	0.2	0.38	0.1	1	0.1	0.38	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.2	0.38	0.1	1	0.1	0.38	0.0
LOG PERCH	1988	39	15.4	111.51	0.5	0	0.0	0.00	0.0	39	10.9	111.51	0.5
	TOTAL	39	15.4	111.51	0.5	0	0.0	0.00	0.0	39	10.9	111.51	0.5
BLACKSIDE DARTER	1988	0	0.0	0.00	0.0	1	1.0	2.38	0.3	1	0.3	2.38	0.0
	TOTAL	0	0.0	0.00	0.0	1	1.0	2.38	0.3	1	0.3	2.38	0.0
SLENDERHEAD DARTER	1988	5	2.0	14.43	0.1	0	0.0	0.00	0.0	5	1.4	14.43	0.1
	TOTAL	5	2.0	14.43	0.1	0	0.0	0.00	0.0	5	1.4	14.43	0.1
WALLEYE	1977	2	1.3	62.00	0.4	0	0.0	0.00	0.0	2	0.2	62.00	0.3
	TOTAL	2	1.3	62.00	0.4	0	0.0	0.00	0.0	2	0.2	62.00	0.3

APPENDIX D-5. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	%NO.	WT(G)	%WT	SEINING NO.	%NO.	WT(G)	%WT	TOTAL NO.	%NO.	WT(G)	%WT
LONGNOSE GAR	1977	1	0.7	45.00	0.3	0	0.0	0.00	0.0	1	0.1	45.00	0.3
	1978	0	0.0	0.00	0.0	1	0.3	10.52	2.2	1	0.3	10.52	0.1
	1981	1	1.1	188.00	1.1	0	0.0	0.00	0.0	1	0.9	188.00	1.1
	1985	1	0.4	29.00	0.2	0	0.0	0.00	0.0	1	0.1	29.00	0.2
	TOTAL	3	0.5	262.00	0.5	1	0.1	10.52	0.8	4	0.2	272.52	0.5
GIZZARD SHAD	1977	2	2.1	9.88	0.1	5	0.8	2.15	0.5	7	0.9	12.03	0.1
	1978	19	23.2	171.59	2.1	1	0.3	7.55	1.6	20	5.3	179.14	2.1
	1979	1	1.9	162.00	3.2	0	0.0	0.00	0.0	1	0.5	162.00	3.1
	1981	3	3.2	48.00	0.3	6	28.6	20.05	17.3	9	7.8	68.05	0.4
	1982	1	2.9	160.00	1.4	0	0.0	0.00	0.0	1	2.6	160.00	1.4
	1983	6	12.0	1309.06	8.8	0	0.0	0.00	0.0	6	7.8	1309.06	8.8
	1984	4	7.5	318.82	3.2	1	2.3	1.13	3.2	5	5.2	319.95	3.2
	1985	3	1.1	406.25	2.5	0	0.0	0.00	0.0	3	0.4	406.25	2.5
	1986	3	2.2	229.59	1.5	0	0.0	0.00	0.0	3	1.7	229.59	1.5
	1987	13	8.7	1204.22	17.2	0	0.0	0.00	0.0	13	5.8	1204.22	16.8
	1988	4	1.5	1798.00	8.9	0	0.0	0.00	0.0	4	1.2	1798.00	8.7
	TOTAL	59	4.6	5817.41	4.2	13	0.7	30.88	1.5	72	2.4	5848.29	4.1
GRASS PICKEREL	1977	1	0.7	6.00	0.0	0	0.0	0.00	0.0	1	0.1	6.00	0.0
	1978	1	1.2	6.00	0.1	0	0.0	0.00	0.0	1	0.3	6.00	0.1
	1979	1	1.9	9.00	0.2	0	0.0	0.00	0.0	1	0.5	9.00	0.2
	1984	1	1.9	152.00	1.5	0	0.0	0.00	0.0	1	1.0	152.00	1.5
	1986	1	0.7	12.00	0.1	0	0.0	0.00	0.0	1	0.6	12.00	0.1
	TOTAL	5	1.1	185.00	0.3	0	0.0	0.00	0.0	5	0.3	185.00	0.3
NORTHERN PIKE	1979	1	1.9	75.00	1.5	0	0.0	0.00	0.0	1	0.5	75.00	1.4
	1982	1	2.9	1560.00	14.0	0	0.0	0.00	0.0	1	2.6	1560.00	14.0
	1985	1	0.4	425.00	2.6	0	0.0	0.00	0.0	1	0.1	425.00	2.6
	1986	1	0.7	560.00	3.7	0	0.0	0.00	0.0	1	0.6	560.00	3.7
	TOTAL	4	0.8	2620.00	5.5	0	0.0	0.00	0.0	4	0.4	2620.00	5.5
CARP	1977	3	4.1	6565.00	41.8	0	0.0	0.00	0.0	3	0.4	6565.00	40.7
	1978	1	1.2	1640.00	20.4	0	0.0	0.00	0.0	1	0.3	1640.00	19.2
	1981	2	2.1	1410.00	8.5	0	0.0	0.00	0.0	2	1.7	1410.00	8.5
	1982	1	2.9	4313.00	38.7	0	0.0	0.00	0.0	1	2.6	4313.00	38.6
	1983	2	4.0	1662.00	11.1	0	0.0	0.00	0.0	2	2.6	1662.00	11.1
	1987	1	0.7	2200.00	31.3	0	0.0	0.00	0.0	1	0.4	2200.00	30.7
	1988	8	3.0	7942.60	39.4	0	0.0	0.00	0.0	8	2.4	7942.60	38.5
	TOTAL	18	2.4	25732.60	27.5	0	0.0	0.00	0.0	18	1.0	25732.60	27.0
SILVERJAW MINNOW	1978	0	0.0	0.00	0.0	6	2.0	3.00	0.6	6	1.6	3.00	0.0
	TOTAL	0	0.0	0.00	0.0	6	2.0	3.00	0.6	6	1.6	3.00	0.0
HORNYHEAD CHUB	1977	0	0.0	0.00	0.0	1	0.2	1.19	0.3	1	0.1	1.19	0.0
	1985	1	0.4	22.00	0.1	2	0.5	1.43	0.5	3	0.4	23.43	0.1
	1987	0	0.0	0.00	0.0	1	1.4	2.24	1.6	1	0.4	2.24	0.0
	1988	0	0.0	0.00	0.0	1	1.4	0.47	0.1	1	0.3	0.47	0.0
	TOTAL	1	0.1	22.00	0.0	5	0.4	5.33	0.4	6	0.3	27.33	0.0
GOLDEN SHINER	1979	0	0.0	0.00	0.0	2	1.4	0.79	0.7	2	1.0	0.79	0.0
	1981	2	2.1	15.00	0.1	0	0.0	0.00	0.0	2	1.7	15.00	0.1
	1982	1	2.9	8.83	0.1	0	0.0	0.00	0.0	1	2.6	8.83	0.1
	TOTAL	3	1.6	23.83	0.1	2	1.2	0.79	0.3	5	1.4	24.62	0.1
EMERALD SHINER	1985	0	0.0	0.00	0.0	1	0.3	0.05	0.0	1	0.1	0.05	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.3	0.05	0.0	1	0.1	0.05	0.0
STRIPED SHINER	1978	0	0.0	0.00	0.0	18	6.1	9.32	1.9	18	4.8	9.32	0.1
	1979	0	0.0	0.00	0.0	5	3.5	1.02	0.9	5	2.5	1.02	0.0
	1983	0	0.0	0.00	0.0	24	88.9	4.91	70.6	24	31.2	4.91	0.0
	1984	0	0.0	0.00	0.0	1	2.3	0.41	1.2	1	1.0	0.41	0.0
	1985	2	0.7	1.38	0.0	159	40.1	82.62	31.7	161	23.6	84.00	0.5
	1988	68	25.7	79.21	0.4	2	2.8	4.10	0.9	70	20.8	83.31	0.4
	TOTAL	70	8.9	80.59	0.1	209	21.4	102.38	7.5	279	15.8	182.97	0.2
ROSYFACE SHINER	1977	0	0.0	0.00	0.0	19	3.0	7.86	1.9	19	2.7	7.86	0.0
	1978	3	3.7	2.40	0.0	9	3.1	3.92	0.8	12	3.2	6.32	0.1
	1979	0	0.0	0.00	0.0	16	11.2	6.16	5.3	16	8.1	6.16	0.1
	1981	1	1.1	10.00	0.1	0	0.0	0.00	0.0	1	0.9	10.00	0.1
	1982	1	2.9	1.96	0.0	4	100	1.96	100	5	13.2	3.92	0.0
	1985	2	0.7	0.80	0.0	34	8.6	11.96	4.6	36	5.3	12.76	0.1
	1986	2	1.4	2.30	0.0	0	0.0	0.00	0.0	2	1.1	2.30	0.0
	1987	0	0.0	0.00	0.0	1	1.4	0.04	0.0	1	0.4	0.04	0.0
	1988	3	1.1	2.47	0.0	0	0.0	0.00	0.0	3	0.9	2.47	0.0
	TOTAL	12	1.0	19.93	0.0	83	4.9	31.90	1.6	95	3.3	51.83	0.0
SPOTFIN SHINER	1977	11	15.2	50.99	0.3	310	48.4	263.00	62.0	321	45.0	313.99	1.9
	1978	1	1.2	3.82	0.0	42	14.3	72.01	15.0	43	11.5	75.83	0.9
	1979	7	13.0	34.25	0.7	96	67.1	93.24	80.3	103	52.3	127.49	2.4
	1981	2	2.1	2.00	0.0	11	52.4	13.05	11.3	13	11.3	15.05	0.1
	1983	5	10.0	12.70	0.1	2	7.4	1.85	26.6	7	9.1	14.55	0.1
	1984	1	1.9	0.91	0.0	38	86.4	28.61	81.4	39	40.2	29.52	0.3
	1985	14	4.9	42.75	0.3	65	16.4	26.83	10.3	79	11.6	69.58	0.4
	1986	12	8.6	12.89	0.1	5	11.9	3.98	10.5	17	9.4	16.87	0.1
	1987	68	45.3	56.64	0.8	52	70.3	64.89	46.4	120	53.6	121.53	1.7
	1988	2	0.8	4.91	0.0	5	6.9	10.56	2.3	7	2.1	15.47	0.1
	TOTAL	123	9.9	221.86	0.2	626	35.7	578.02	27.8	749	25.0	799.88	0.6
SAND SHINER	1977	1	0.7	0.15	0.0	47	7.3	10.69	2.5	48	6.7	10.84	0.1
	1978	0	0.0	0.00	0.0	32	10.9	8.62	1.8	32	8.5	8.62	0.1
	1979	0	0.0	0.00	0.0	13	9.1	6.35	5.5	13	6.6	6.35	0.1
	1983	0	0.0	0.00	0.0	1	3.7	0.19	2.7	1	1.3	0.19	0.0
	1985	0	0.0	0.00	0.0	1	0.3	0.23	0.1	1	0.1	0.23	0.0
	1988	4	1.5	6.01	0.0	0	0.0	0.00	0.0	4	1.2	6.01	0.0
	TOTAL	5	0.6	6.16	0.0	94	6.0	26.08	1.5	99	4.1	32.24	0.0
REDFIN SHINER	1977	0	0.0	0.00	0.0	1	0.2	0.30	0.1	1	0.1	0.30	0.0
	1978	0	0.0	0.00	0.0	6	2.0	5.08	1.1	6	1.6	5.08	0.1
	1981	0	0.0	0.00	0.0	1	4.8	0.57	0.5	1	0.9	0.57	0.0
	1984	0	0.0	0.00	0.0	1	2.3	0.80	2.3	1	1.0	0.80	0.0
	1985	0	0.0	0.00	0.0	13	3.3	13.98	5.4	13	1.9	13.98	0.1
	1987	0	0.0	0.00	0.0	4	5.4	3.08	2.2	4	1.8	3.08	0.0
	1988	4	1.5	3.87	0.0	0	0.0	0.00	0.0	4	1.2	3.87	0.0
	TOTAL	4	0.4	3.87	0.0	26	1.7	23.81	1.2	30	1.2	27.68	0.0
MIMIC SHINER	1977	0	0.0	0.00	0.0	1	0.2	0.64	0.2	1	0.1	0.64	0.0
	1986	1	0.7	0.42	0.0	0	0.0	0.00	0.0	1	0.6	0.42	0.0
	1988	10	3.8	12.20	0.1	0	0.0	0.00	0.0	10	3.0	12.20	0.1
	TOTAL	11	2.3	12.62	0.0	1	0.1	0.64	0.1	12	1.0	13.26	0.0

APPENDIX D-5 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	ELECTROFISHING %NO.	ELECTROFISHING WT(G)	ELECTROFISHING %WT	SEINING NO.	SEINING %NO.	SEINING WT(G)	SEINING %WT	TOTAL NO.	TOTAL %NO.	TOTAL WT(G)	TOTAL %WT
SUCKERMOUTH MINNOW	1978	1	1.2	0.88	0.0	5	1.7	2.53	0.5	6	1.6	3.41	0.0
	1983	2	4.0	1.34	0.0	0	0.0	0.00	0.0	2	2.6	1.34	0.0
	1985	1	0.4	1.50	0.0	0	0.0	0.00	0.0	1	0.1	1.50	0.0
	TOTAL	4	1.0	3.72	0.0	5	0.7	2.53	0.3	9	0.8	6.25	0.0
BLUNTNOSE MINNOW	1977	2	2.8	5.28	0.0	31	4.8	19.57	4.6	33	4.6	24.85	0.2
	1978	7	8.5	13.03	0.2	143	48.8	314.99	65.7	150	40.0	328.02	3.8
	1979	4	7.4	19.57	0.4	4	2.8	2.83	2.4	8	4.1	22.40	0.4
	1984	0	0.0	0.00	0.0	2	4.5	1.88	5.3	2	2.1	1.88	0.0
	1985	51	18.0	105.97	0.6	66	16.6	43.99	16.9	117	17.2	149.96	0.9
	1986	27	19.4	42.12	0.3	33	78.6	30.32	80.0	60	33.1	72.44	0.5
	1987	13	8.7	19.45	0.3	7	9.5	11.19	8.0	20	8.9	30.64	0.4
	1988	29	10.9	53.15	0.3	1	1.4	1.69	0.4	30	8.9	54.84	0.3
	TOTAL	133	12.1	258.57	0.3	287	16.8	426.46	21.8	420	15.0	685.03	0.7
FATHEAD MINNOW	1978	0	0.0	0.00	0.0	1	0.3	1.62	0.3	1	0.3	1.62	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.3	1.62	0.3	1	0.3	1.62	0.0
BULLHEAD MINNOW	1977	12	15.9	33.01	0.2	43	6.7	33.95	8.0	55	7.6	66.96	0.4
	1978	5	6.1	12.32	0.2	2	0.7	4.89	1.0	7	1.9	17.21	0.2
	1979	1	1.9	5.08	0.1	0	0.0	0.00	0.0	1	0.5	5.08	0.1
	1984	2	3.8	8.31	0.1	0	0.0	0.00	0.0	2	2.1	8.31	0.1
	1985	12	4.2	31.19	0.2	6	1.5	12.22	4.7	18	2.6	43.41	0.3
	1987	1	0.7	1.59	0.0	2	2.7	1.13	0.8	3	1.3	2.72	0.0
	TOTAL	33	4.7	91.50	0.1	53	3.3	52.19	3.6	86	3.7	143.69	0.2
UNIDENTIFIED MINNOWS	1977	0	0.0	0.00	0.0	108	16.8	5.17	1.2	108	15.1	5.17	0.0
	TOTAL	0	0.0	0.00	0.0	108	16.8	5.17	1.2	108	15.1	5.17	0.0
QUILLBACK	1977	1	1.4	466.50	3.0	0	0.0	0.00	0.0	1	0.1	466.50	2.9
	1978	9	11.0	3674.00	45.6	0	0.0	0.00	0.0	9	2.4	3674.00	43.1
	1979	5	9.3	1748.00	34.0	0	0.0	0.00	0.0	5	2.5	1748.00	33.3
	1981	2	2.1	990.00	6.0	0	0.0	0.00	0.0	2	1.7	990.00	5.9
	1982	1	2.9	600.00	5.4	0	0.0	0.00	0.0	1	2.6	600.00	5.4
	1983	14	28.0	9020.00	60.4	0	0.0	0.00	0.0	14	18.2	9020.00	60.4
	1984	5	9.4	2900.00	29.3	0	0.0	0.00	0.0	5	5.2	2900.00	29.2
	1985	3	1.1	2295.00	14.1	0	0.0	0.00	0.0	3	0.4	2295.00	13.8
	1986	1	0.7	700.00	4.7	0	0.0	0.00	0.0	1	0.6	700.00	4.7
	TOTAL	41	4.8	22393.50	19.9	0	0.0	0.00	0.0	41	1.7	22393.50	19.6
WHITE SUCKER	1977	1	0.7	275.00	1.8	0	0.0	0.00	0.0	1	0.1	275.00	1.7
	1981	1	1.1	325.00	2.0	0	0.0	0.00	0.0	1	0.9	325.00	2.0
	1983	1	2.0	250.00	1.7	0	0.0	0.00	0.0	1	1.3	250.00	1.7
	TOTAL	3	1.2	850.00	1.8	0	0.0	0.00	0.0	3	0.3	850.00	1.8
NORTHERN HOGSUCKER	1977	1	0.7	377.50	2.4	0	0.0	0.00	0.0	1	0.1	377.50	2.3
	1981	4	4.3	1685.00	10.2	0	0.0	0.00	0.0	4	3.5	1685.00	10.1
	1982	2	5.9	1140.00	10.2	0	0.0	0.00	0.0	2	5.3	1140.00	10.2
	1983	1	2.0	400.00	2.7	0	0.0	0.00	0.0	1	1.3	400.00	2.7
	1984	5	9.4	3400.00	34.4	0	0.0	0.00	0.0	5	5.2	3400.00	34.2
	1985	8	2.8	3696.70	22.7	1	0.3	1.24	0.5	9	1.3	3697.94	22.3
	1986	1	0.7	670.00	4.5	0	0.0	0.00	0.0	1	0.6	670.00	4.5
	1987	1	0.7	340.00	4.8	0	0.0	0.00	0.0	1	0.4	340.00	4.7
	1988	3	1.1	1340.50	6.7	0	0.0	0.00	0.0	3	0.9	1340.50	6.5
	TOTAL	26	2.2	13049.70	10.3	1	0.1	1.24	0.1	27	1.1	13050.94	10.2
SILVER REDHORSE	1979	1	1.9	1505.00	29.3	0	0.0	0.00	0.0	1	0.5	1505.00	28.7
	1981	1	1.1	1410.00	8.5	0	0.0	0.00	0.0	1	0.9	1410.00	8.5
	1982	2	5.9	1765.00	15.8	0	0.0	0.00	0.0	2	5.3	1765.00	15.8
	1983	1	2.0	891.00	6.0	0	0.0	0.00	0.0	1	1.3	891.00	6.0
	1985	2	0.7	4.68	0.0	0	0.0	0.00	0.0	2	0.3	4.68	0.0
	1986	1	0.7	695.00	4.6	0	0.0	0.00	0.0	1	0.6	695.00	4.6
	1988	1	0.4	132.00	0.7	0	0.0	0.00	0.0	1	0.3	132.00	0.6
	TOTAL	9	1.0	6402.68	6.5	0	0.0	0.00	0.0	9	0.6	6402.68	6.4
RIVER REDHORSE	1977	1	1.4	63.00	0.4	0	0.0	0.00	0.0	1	0.1	63.00	0.4
	1978	1	1.2	165.00	2.1	0	0.0	0.00	0.0	1	0.3	165.00	1.9
	1981	4	4.3	5325.00	32.2	0	0.0	0.00	0.0	4	3.5	5325.00	32.0
	1986	4	2.9	88.00	0.6	0	0.0	0.00	0.0	4	2.2	88.00	0.6
	1988	1	0.4	4.49	0.0	0	0.0	0.00	0.0	1	0.3	4.49	0.0
	TOTAL	11	1.7	5645.49	7.5	0	0.0	0.00	0.0	11	0.6	5645.49	7.3
BLACK REDHORSE	1983	1	2.0	450.00	3.0	0	0.0	0.00	0.0	1	1.3	450.00	3.0
	1985	2	0.7	4.39	0.0	0	0.0	0.00	0.0	2	0.3	4.39	0.0
	TOTAL	3	0.9	454.39	1.5	0	0.0	0.00	0.0	3	0.4	454.39	1.4
GOLDEN REDHORSE	1977	5	6.2	1394.00	8.9	0	0.0	0.00	0.0	5	0.6	1394.00	8.6
	1978	1	1.2	830.00	10.3	1	0.3	1.34	0.3	2	0.5	831.34	9.7
	1979	4	7.4	98.00	1.9	0	0.0	0.00	0.0	4	2.0	98.00	1.9
	1981	3	3.2	629.00	3.8	0	0.0	0.00	0.0	3	2.6	629.00	3.8
	1982	3	8.8	700.00	6.3	0	0.0	0.00	0.0	3	7.9	700.00	6.3
	1984	2	3.8	1355.00	13.7	0	0.0	0.00	0.0	2	2.1	1355.00	13.6
	1985	25	8.8	1028.45	6.3	26	6.5	28.48	10.9	51	7.5	1056.93	6.4
	1986	13	9.4	3211.03	21.4	0	0.0	0.00	0.0	13	7.2	3211.03	21.4
	1987	3	2.0	130.65	1.9	0	0.0	0.00	0.0	3	1.3	130.65	1.8
	1988	8	3.0	2667.15	13.2	0	0.0	0.00	0.0	8	2.4	2667.15	12.9
	TOTAL	67	5.4	12043.28	9.6	27	1.6	29.82	1.4	94	3.2	12073.10	9.5
SHORTHEAD REDHORSE	1977	4	4.8	1525.50	9.7	0	0.0	0.00	0.0	4	0.5	1525.50	9.5
	1981	6	6.4	1623.00	9.8	0	0.0	0.00	0.0	6	5.2	1623.00	9.7
	1985	13	4.6	22.42	0.1	6	1.5	7.94	3.0	19	2.8	30.36	0.2
	1986	2	1.4	40.42	0.3	0	0.0	0.00	0.0	2	1.1	40.42	0.3
	1988	6	2.3	886.93	4.4	0	0.0	0.00	0.0	6	1.8	886.93	4.3
	TOTAL	31	3.6	4098.27	4.9	6	0.5	7.94	0.6	37	1.8	4106.21	4.8
UNIDENTIFIED REDHORSE	1977	3	4.1	9.70	0.1	3	0.5	5.45	1.3	6	0.8	15.15	0.1
	1978	1	1.2	0.66	0.0	6	2.0	5.19	1.1	7	1.9	5.85	0.1
	1979	1	1.9	0.92	0.0	0	0.0	0.00	0.0	1	0.5	0.92	0.0
	1983	2	4.0	1.48	0.0	0	0.0	0.00	0.0	2	2.6	1.48	0.0
	TOTAL	7	2.7	12.76	0.0	9	0.8	10.64	1.0	16	1.2	23.40	0.1
CHANNEL CATFISH	1977	1	0.7	300.00	1.9	0	0.0	0.00	0.0	1	0.1	300.00	1.9
	1985	1	0.4	2110.00	12.9	0	0.0	0.00	0.0	1	0.1	2110.00	12.7
	1986	1	0.7	4082.00	27.2	0	0.0	0.00	0.0	1	0.6	4082.00	27.1
	TOTAL	3	0.5	6492.00	13.8	0	0.0	0.00	0.0	3	0.2	6492.00	13.6
STONECAT	1977	1	1.4	24.50	0.2	0	0.0	0.00	0.0	1	0.1	24.50	0.2
	1984	3	5.7	22.98	0.2	0	0.0	0.00	0.0	3	3.1	22.98	0.2
	TOTAL	4	3.2	47.48	0.2	0	0.0	0.00	0.0	4	0.5	47.48	0.2

APPENDIX D-5 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	%NO.	WT(G)	%WT	SEINING NO.	%NO.	WT(G)	%WT	TOTAL NO.	%NO.	WT(G)	%WT
BLACKSTRIPE TOPMINNOW	1977	0	0.0	0.00	0.0	1	0.2	0.62	0.1	1	0.1	0.62	0.0
	1978	0	0.0	0.00	0.0	1	0.3	0.26	0.1	1	0.3	0.26	0.0
	1986	0	0.0	0.00	0.0	1	2.4	0.21	0.6	1	0.6	0.21	0.0
	1987	1	0.7	0.26	0.0	0	0.0	0.00	0.0	1	0.4	0.26	0.0
	TOTAL	1	0.2	0.26	0.0	3	0.3	1.09	0.1	4	0.3	1.35	0.0
BROOK SILVERSIDE	1977	0	0.0	0.00	0.0	10	1.6	6.20	1.5	10	1.4	6.20	0.0
	1985	1	0.4	0.52	0.0	2	0.5	0.39	0.1	3	0.4	0.91	0.0
	1986	3	2.2	5.87	0.0	2	4.8	3.17	8.4	5	2.8	9.04	0.1
	1987	0	0.0	0.00	0.0	2	2.7	0.80	0.6	2	0.9	0.80	0.0
	1988	2	0.8	1.82	0.0	0	0.0	0.00	0.0	2	0.6	1.82	0.0
	TOTAL	6	0.7	8.21	0.0	16	1.3	10.56	0.8	22	1.0	18.77	0.0
ROCK BASS	1977	4	4.8	186.22	1.2	7	1.1	11.88	2.8	11	1.5	198.10	1.2
	1978	2	2.4	18.78	0.2	0	0.0	0.00	0.0	2	0.5	18.78	0.2
	1979	5	9.3	264.31	5.1	0	0.0	0.00	0.0	5	2.5	264.31	5.0
	1981	8	8.5	849.00	5.1	0	0.0	0.00	0.0	8	7.0	849.00	5.1
	1982	2	5.9	192.00	1.7	0	0.0	0.00	0.0	2	5.3	192.00	1.7
	1983	2	4.0	122.00	0.8	0	0.0	0.00	0.0	2	2.6	122.00	0.8
	1984	1	1.9	205.00	2.1	0	0.0	0.00	0.0	1	1.0	205.00	2.1
	1985	16	5.6	635.87	3.9	1	0.3	0.49	0.2	17	2.5	636.36	3.8
	1986	7	5.0	661.00	4.4	0	0.0	0.00	0.0	7	3.9	661.00	4.4
	1987	4	2.7	225.00	3.2	0	0.0	0.00	0.0	4	1.8	225.00	3.1
	1988	5	1.9	458.00	2.3	5	6.9	12.37	2.7	10	3.0	470.37	2.3
	TOTAL	56	4.3	3817.18	2.7	13	0.7	24.74	1.2	69	2.3	3841.92	2.7
GREEN SUNFISH	1977	0	0.0	0.00	0.0	1	0.2	0.46	0.1	1	0.1	0.46	0.0
	1978	1	1.2	7.00	0.1	0	0.0	0.00	0.0	1	0.3	7.00	0.1
	1979	3	5.6	26.00	0.5	0	0.0	0.00	0.0	3	1.5	26.00	0.5
	1981	31	33.0	652.00	3.9	1	4.8	1.70	1.5	32	27.8	653.70	3.9
	1982	12	35.3	298.00	2.7	0	0.0	0.00	0.0	12	31.6	298.00	2.7
	1983	1	2.0	27.00	0.2	0	0.0	0.00	0.0	1	1.3	27.00	0.2
	1984	13	24.5	482.60	4.9	0	0.0	0.00	0.0	13	13.4	482.60	4.9
	1985	28	9.9	1146.87	7.0	0	0.0	0.00	0.0	28	4.1	1146.87	6.9
	1986	27	19.4	603.20	4.0	0	0.0	0.00	0.0	27	14.9	603.20	4.0
	1987	5	3.3	90.15	1.3	0	0.0	0.00	0.0	5	2.2	90.15	1.3
	1988	6	2.3	163.74	0.8	3	4.2	59.37	12.7	9	2.7	223.11	1.1
	TOTAL	127	9.9	3496.56	2.5	5	0.3	61.53	3.0	132	4.3	3558.09	2.5
PUMPKINSEED	1981	1	1.1	45.00	0.3	0	0.0	0.00	0.0	1	0.9	45.00	0.3
	TOTAL	1	1.1	45.00	0.3	0	0.0	0.00	0.0	1	0.9	45.00	0.3
ORANGESPOTTED SUNFISH	1977	0	0.0	0.00	0.0	24	3.7	7.42	1.7	24	3.4	7.42	0.0
	1981	8	8.5	31.00	0.2	0	0.0	0.00	0.0	8	7.0	31.00	0.2
	1983	3	6.0	53.00	0.4	0	0.0	0.00	0.0	3	3.9	53.00	0.4
	1985	18	6.3	230.10	1.4	0	0.0	0.00	0.0	18	2.6	230.10	1.4
	1987	2	1.3	24.80	0.4	0	0.0	0.00	0.0	2	0.9	24.80	0.3
	1988	0	0.0	0.00	0.0	1	1.4	0.09	0.0	1	0.3	0.09	0.0
	TOTAL	31	3.4	338.90	0.4	25	2.0	7.51	0.5	56	2.6	346.41	0.4
BLUEGILL	1977	0	0.0	0.00	0.0	5	0.8	1.64	0.4	5	0.7	1.64	0.0
	1978	1	1.2	10.00	0.1	1	0.3	6.96	1.5	2	0.5	16.96	0.2
	1981	1	1.1	2.00	0.0	0	0.0	0.00	0.0	1	0.9	2.00	0.0
	1982	1	2.9	52.00	0.5	0	0.0	0.00	0.0	1	2.6	52.00	0.5
	1983	3	6.0	181.00	1.2	0	0.0	0.00	0.0	3	3.9	181.00	1.2
	1984	4	7.5	306.00	3.1	0	0.0	0.00	0.0	4	4.1	306.00	3.1
	1985	8	2.8	607.00	3.7	0	0.0	0.00	0.0	8	1.2	607.00	3.7
	1986	6	4.3	199.00	1.3	0	0.0	0.00	0.0	6	3.3	199.00	1.3
	1987	5	3.3	135.00	1.9	0	0.0	0.00	0.0	5	2.2	135.00	1.9
	TOTAL	29	3.0	1492.00	1.3	6	0.4	8.60	0.6	35	1.4	1500.60	1.3
CENTRAL LONGEAR SUNFISH	1977	1	1.4	8.25	0.1	0	0.0	0.00	0.0	1	0.1	8.25	0.1
	TOTAL	1	1.4	8.25	0.1	0	0.0	0.00	0.0	1	0.1	8.25	0.1
LONGEAR SUNFISH	1977	3	4.1	51.00	0.3	6	0.9	2.27	0.5	9	1.3	53.27	0.3
	1978	8	9.8	108.85	1.4	0	0.0	0.00	0.0	8	2.1	108.85	1.3
	1979	8	14.8	151.53	3.0	0	0.0	0.00	0.0	8	4.1	151.53	2.9
	1981	2	2.1	58.00	0.4	0	0.0	0.00	0.0	2	1.7	58.00	0.3
	1982	3	8.8	90.00	0.8	0	0.0	0.00	0.0	3	7.9	90.00	0.8
	1983	1	2.0	6.00	0.0	0	0.0	0.00	0.0	1	1.3	6.00	0.0
	1985	32	11.3	288.96	1.8	2	0.5	16.36	6.3	34	5.0	305.32	1.8
	1986	8	5.8	67.77	0.5	0	0.0	0.00	0.0	8	4.4	67.77	0.5
	1987	22	14.7	326.44	4.7	1	1.4	3.44	2.5	23	10.3	329.88	4.6
	1988	23	8.7	474.69	2.4	14	19.4	164.72	35.3	37	11.0	639.41	3.1
	TOTAL	110	9.0	1623.24	1.2	23	1.3	186.79	9.1	133	4.5	1810.03	1.4
GREEN SUNFISH X BLUEGILL	1982	1	2.9	60.00	0.5	0	0.0	0.00	0.0	1	2.6	60.00	0.5
	1984	1	1.9	118.00	1.2	0	0.0	0.00	0.0	1	1.0	118.00	1.2
	TOTAL	2	2.3	178.00	0.8	0	0.0	0.00	0.0	2	1.5	178.00	0.8
GREEN X LONGEAR SUNFISH	1981	1	1.1	14.00	0.1	0	0.0	0.00	0.0	1	0.9	14.00	0.1
	TOTAL	1	1.1	14.00	0.1	0	0.0	0.00	0.0	1	0.9	14.00	0.1
UNIDENTIFIED SUNFISH	1979	0	0.0	0.00	0.0	2	1.4	0.21	0.2	2	1.0	0.21	0.0
	TOTAL	0	0.0	0.00	0.0	2	1.4	0.21	0.2	2	1.0	0.21	0.0
SMALLMOUTH BASS	1977	17	23.4	3966.92	25.2	0	0.0	0.00	0.0	17	2.4	3966.92	24.6
	1978	10	12.2	1319.43	16.4	0	0.0	0.00	0.0	10	2.7	1319.43	15.5
	1979	9	16.7	843.55	16.4	1	0.7	2.59	2.2	10	5.1	846.14	16.1
	1981	5	5.3	620.00	3.7	0	0.0	0.00	0.0	5	4.3	620.00	3.7
	1982	1	2.9	215.00	1.9	0	0.0	0.00	0.0	1	2.6	215.00	1.9
	1983	5	10.0	542.00	3.6	0	0.0	0.00	0.0	5	6.5	542.00	3.6
	1984	8	15.1	396.00	4.0	0	0.0	0.00	0.0	8	8.2	396.00	4.0
	1985	26	9.2	1591.90	9.8	2	0.5	3.85	1.5	28	4.1	1595.75	9.6
	1986	12	8.6	2019.00	13.5	0	0.0	0.00	0.0	12	6.6	2019.00	13.4
	1987	7	4.7	1304.09	18.6	2	2.7	52.37	37.5	9	4.0	1356.46	18.9
	1988	60	22.6	3086.74	15.3	30	41.7	199.12	42.7	90	26.7	3285.86	15.9
	TOTAL	160	12.5	15904.63	11.4	35	2.0	257.93	12.4	195	6.4	16162.56	11.4
LARGEMOUTH BASS	1977	1	0.7	201.00	1.3	0	0.0	0.00	0.0	1	0.1	201.00	1.2
	1978	9	11.0	46.83	0.6	2	0.7	8.35	1.7	11	2.9	55.18	0.6
	1979	1	1.9	3.88	0.1	0	0.0	0.00	0.0	1	0.5	3.88	0.1
	1982	1	2.9	2.00	0.0	0	0.0	0.00	0.0	1	2.6	2.00	0.0
	1984	2	3.8	195.00	2.0	1	2.3	2.32	6.6	3	3.1	197.32	2.0
	1985	9	3.2	677.08	4.1	0	0.0	0.00	0.0	9	1.3	677.08	4.1
	1986	6	4.3	1095.62	7.3	0	0.0	0.00	0.0	6	3.3	1095.62	7.3
	1987	2	1.3	291.48	4.2	0	0.0	0.00	0.0	2	0.9	291.48	4.1
	1988	2	0.8	1000.83	5.0	2	2.8	4.37	0.9	4	1.2	1005.20	4.9
	TOTAL	33	2.9	3513.72	3.2	5	0.3	15.04	0.8	38	1.3	3528.76	3.2

APPENDIX D-5 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING				SEINING				TOTAL			
		NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT
WHITE CRAPPIE	1977	1	0.7	65.00	0.4	6	0.9	3.36	0.8	7	0.9	68.36	0.4
	1978	0	0.0	0.00	0.0	1	0.3	1.53	0.3	1	0.3	1.53	0.0
	1979	2	3.7	190.00	3.7	3	2.1	1.92	1.7	5	2.5	191.92	3.7
	1981	3	3.2	316.00	1.9	0	0.0	0.00	0.0	3	2.6	316.00	1.9
	1984	1	1.9	35.00	0.4	0	0.0	0.00	0.0	1	1.0	35.00	0.4
	1985	1	0.4	121.00	0.7	0	0.0	0.00	0.0	1	0.1	121.00	0.7
	TOTAL	8	1.2	727.00	1.0	10	0.6	6.81	0.5	18	0.8	733.81	1.0
BLACK CRAPPIE	1977	1	0.7	64.00	0.4	12	1.9	40.54	9.6	13	1.8	104.54	0.6
	1978	0	0.0	0.00	0.0	5	1.7	7.63	1.6	5	1.3	7.63	0.1
	1979	0	0.0	0.00	0.0	1	0.7	1.04	0.9	1	0.5	1.04	0.0
	1981	1	1.1	15.00	0.1	1	4.8	80.00	69.1	2	1.7	95.00	0.6
	1987	1	0.7	30.00	0.4	0	0.0	0.00	0.0	1	0.4	30.00	0.4
	TOTAL	3	0.6	109.00	0.2	19	1.6	129.21	10.1	22	1.3	238.21	0.4
JOHNNY DARTER	1978	0	0.0	0.00	0.0	10	3.4	3.89	0.8	10	2.7	3.89	0.0
	1985	0	0.0	0.00	0.0	4	1.0	2.30	0.9	4	0.6	2.30	0.0
	1986	0	0.0	0.00	0.0	1	2.4	0.24	0.6	1	0.6	0.24	0.0
	1987	0	0.0	0.00	0.0	2	2.7	0.61	0.4	2	0.9	0.61	0.0
	1988	2	0.8	1.89	0.0	5	6.9	2.79	0.6	7	2.1	4.68	0.0
	TOTAL	2	0.2	1.89	0.0	22	2.5	9.83	0.7	24	1.3	11.72	0.0
YELLOW PERCH	1978	1	1.2	18.00	0.2	0	0.0	0.00	0.0	1	0.3	18.00	0.2
	TOTAL	1	1.2	18.00	0.2	0	0.0	0.00	0.0	1	0.3	18.00	0.2
LOG PERCH	1988	12	4.5	30.96	0.2	2	2.8	4.13	0.9	14	4.2	35.09	0.2
	TOTAL	12	4.5	30.96	0.2	2	2.8	4.13	0.9	14	4.2	35.09	0.2
BLACKSIDE DARTER	1981	0	0.0	0.00	0.0	1	4.8	0.39	0.3	1	0.9	0.39	0.0
	1985	2	0.7	2.41	0.0	4	1.0	3.68	1.4	6	0.9	6.09	0.0
	1988	1	0.4	1.53	0.0	1	1.4	2.29	0.5	2	0.6	3.82	0.0
	TOTAL	3	0.5	3.94	0.0	6	1.2	6.36	0.8	9	0.8	10.30	0.0
SLENDERHEAD DARTER	1985	0	0.0	0.00	0.0	2	0.5	2.36	0.9	2	0.3	2.36	0.0
	1988	1	0.4	1.23	0.0	0	0.0	0.00	0.0	1	0.3	1.23	0.0
	TOTAL	1	0.2	1.23	0.0	2	0.4	2.36	0.3	3	0.3	3.59	0.0
WALLEYE	1977	1	0.7	20.00	0.1	0	0.0	0.00	0.0	1	0.1	20.00	0.1
	1981	1	1.1	281.00	1.7	0	0.0	0.00	0.0	1	0.9	281.00	1.7
	1985	1	0.4	790.00	4.8	0	0.0	0.00	0.0	1	0.1	790.00	4.8
	TOTAL	3	0.6	1091.00	2.2	0	0.0	0.00	0.0	3	0.2	1091.00	2.2
FRESHWATER DRUM	1987	1	0.7	640.00	9.1	0	0.0	0.00	0.0	1	0.4	640.00	8.9
	TOTAL	1	0.7	640.00	9.1	0	0.0	0.00	0.0	1	0.4	640.00	8.9

APPENDIX D-6. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING				SEINING				TOTAL			
		NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT
LONGNOSE GAR	1978	1	0.6	17.00	0.2	0	0.0	0.00	0.0	1	0.5	17.00	0.2
	1981	1	1.0	4.00	0.0	0	0.0	0.00	0.0	1	0.8	4.00	0.0
	1982	1	1.9	2.00	0.0	0	0.0	0.00	0.0	1	1.4	2.00	0.0
	1985	0	0.0	0.00	0.0	3	1.0	80.00	30.7	3	0.8	80.00	0.7
	1988	1	0.4	36.00	0.1	0	0.0	0.00	0.0	1	0.3	36.00	0.1
	TOTAL	4	0.6	59.00	0.1	3	0.7	80.00	8.8	7	0.6	139.00	0.2
GIZZARD SHAD	1977	2	1.3	22.70	0.1	4	0.4	3.86	0.5	6	0.5	26.56	0.1
	1978	4	2.3	44.00	0.4	0	0.0	0.00	0.0	4	1.8	44.00	0.4
	1979	0	0.0	0.00	0.0	1	1.4	0.54	0.4	1	0.7	0.54	0.0
	1984	2	2.9	1370.00	13.0	0	0.0	0.00	0.0	2	0.6	1370.00	12.9
	1987	3	1.8	575.00	5.7	0	0.0	0.00	0.0	3	1.2	575.00	5.7
	1988	5	2.2	2120.75	8.8	0	0.0	0.00	0.0	5	1.6	2120.75	8.7
	TOTAL	16	1.9	4132.45	5.1	5	0.3	4.40	0.3	21	0.8	4136.85	5.0
GRASS PICKEREL	1977	1	0.4	7.00	0.0	3	0.3	44.32	5.5	4	0.3	51.32	0.3
	1978	4	2.3	137.00	1.3	2	4.4	9.00	11.9	6	2.8	146.00	1.4
	1979	1	1.3	9.00	0.1	0	0.0	0.00	0.0	1	0.7	9.00	0.1
	1981	3	3.1	34.00	0.2	2	7.4	18.88	14.1	5	4.0	52.88	0.3
	1983	0	0.0	0.00	0.0	2	10.0	10.82	10.4	2	2.7	10.82	0.1
	1984	1	1.5	2.91	0.0	0	0.0	0.00	0.0	1	0.3	2.91	0.0
	1985	1	1.0	93.00	0.9	0	0.0	0.00	0.0	1	0.3	93.00	0.8
	1986	1	0.5	42.00	0.2	0	0.0	0.00	0.0	1	0.3	42.00	0.2
	1987	1	0.6	38.00	0.4	0	0.0	0.00	0.0	1	0.4	38.00	0.4
	TOTAL	13	1.2	362.91	0.3	9	0.4	83.02	3.7	22	0.7	445.93	0.4
NORTHERN PIKE	1977	1	0.8	283.00	1.6	0	0.0	0.00	0.0	1	0.1	283.00	1.6
	1978	1	0.6	65.00	0.6	0	0.0	0.00	0.0	1	0.5	65.00	0.6
	1982	1	1.9	350.00	2.9	0	0.0	0.00	0.0	1	1.4	350.00	2.9
	TOTAL	3	0.9	698.00	1.7	0	0.0	0.00	0.0	3	0.2	698.00	1.7
CENTRAL STONEROLLER	1977	1	0.4	1.39	0.0	0	0.0	0.00	0.0	1	0.0	1.39	0.0
	TOTAL	1	0.4	1.39	0.0	0	0.0	0.00	0.0	1	0.0	1.39	0.0
CARP	1977	2	1.3	1547.50	9.0	0	0.0	0.00	0.0	2	0.1	1547.50	8.6
	1978	2	1.2	3125.00	29.2	0	0.0	0.00	0.0	2	0.9	3125.00	29.0
	1979	1	1.3	735.00	9.2	0	0.0	0.00	0.0	1	0.7	735.00	9.1
	1981	9	9.2	5876.00	35.0	0	0.0	0.00	0.0	9	7.2	5876.00	34.7
	1982	3	5.8	2930.00	24.3	0	0.0	0.00	0.0	3	4.3	2930.00	24.2
	1983	3	5.6	4690.00	36.6	0	0.0	0.00	0.0	3	4.1	4690.00	36.3
	1984	1	1.5	595.00	5.6	0	0.0	0.00	0.0	1	0.3	595.00	5.6
	1988	13	5.7	813.00	3.4	0	0.0	0.00	0.0	13	4.2	813.00	3.3
	TOTAL	34	3.8	20311.50	18.1	0	0.0	0.00	0.0	34	1.3	20311.50	17.8
HORNYHEAD CHUB	1977	0	0.0	0.00	0.0	1	0.1	0.44	0.1	1	0.1	0.44	0.0
	1979	0	0.0	0.00	0.0	1	1.4	0.49	0.4	1	0.7	0.49	0.0
	1985	0	0.0	0.00	0.0	1	0.3	0.30	0.1	1	0.3	0.30	0.0
	TOTAL	0	0.0	0.00	0.0	3	0.2	1.23	0.1	3	0.2	1.23	0.0
GOLDEN SHINER	1984	0	0.0	0.00	0.0	1	0.3	0.52	0.7	1	0.3	0.52	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.3	0.52	0.7	1	0.3	0.52	0.0
EMERALD SHINER	1977	0	0.0	0.00	0.0	1	0.1	0.32	0.0	1	0.1	0.32	0.0
	1983	1	1.9	2.84	0.0	0	0.0	0.00	0.0	1	1.4	2.84	0.0
	1985	0	0.0	0.00	0.0	2	0.7	0.19	0.1	2	0.5	0.19	0.0
	TOTAL	1	0.4	2.84	0.0	3	0.2	0.51	0.0	4	0.2	3.35	0.0
STRIPED SHINER	1977	0	0.0	0.00	0.0	21	2.0	12.68	1.6	21	1.8	12.68	0.1
	1978	0	0.0	0.00	0.0	14	31.1	5.61	7.4	14	6.4	5.61	0.1
	1979	0	0.0	0.00	0.0	2	2.8	0.41	0.3	2	1.3	0.41	0.0
	1982	0	0.0	0.00	0.0	10	58.8	3.65	45.6	10	14.5	3.65	0.0
	1984	0	0.0	0.00	0.0	117	40.9	34.68	45.9	117	33.1	34.68	0.3
	1985	0	0.0	0.00	0.0	120	41.2	54.29	20.8	120	30.8	54.29	0.5
	1986	0	0.0	0.00	0.0	1	0.6	0.16	0.0	1	0.3	0.16	0.0
	1987	1	0.6	0.55	0.0	6	6.6	2.69	2.6	7	2.7	3.24	0.0
	1988	8	3.5	18.94	0.1	1	1.3	0.38	0.1	9	2.9	19.32	0.1
	TOTAL	9	0.8	19.49	0.0	292	13.8	114.55	4.7	301	9.1	134.04	0.1
BIGMOUTH SHINER	1977	0	0.0	0.00	0.0	1	0.1	0.95	0.1	1	0.1	0.95	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.1	0.95	0.1	1	0.1	0.95	0.0
RED SHINER	1977	0	0.0	0.00	0.0	1	0.1	2.16	0.3	1	0.1	2.16	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.1	2.16	0.3	1	0.1	2.16	0.0
ROSYFACE SHINER	1977	2	1.3	2.15	0.0	210	19.7	82.24	10.1	212	17.8	84.39	0.5
	1979	0	0.0	0.00	0.0	21	29.6	6.85	5.2	21	13.9	6.85	0.1
	1981	1	1.0	1.14	0.0	1	3.7	0.57	0.4	2	1.6	1.71	0.0
	1982	0	0.0	0.00	0.0	2	11.8	0.72	9.0	2	2.9	0.72	0.0
	1984	0	0.0	0.00	0.0	135	47.2	22.33	29.6	135	38.1	22.33	0.2
	1985	0	0.0	0.00	0.0	16	5.5	4.81	1.8	16	4.1	4.81	0.0
	1987	1	0.6	0.65	0.0	0	0.0	0.00	0.0	1	0.4	0.65	0.0
	1988	1	0.4	0.80	0.0	0	0.0	0.00	0.0	1	0.3	0.80	0.0
	TOTAL	5	0.5	4.74	0.0	385	20.0	117.52	6.0	390	13.7	122.26	0.1
SPOTFIN SHINER	1977	6	4.6	17.92	0.1	215	20.2	150.23	18.5	221	18.6	168.15	0.9
	1979	1	1.3	3.51	0.0	0	0.0	0.00	0.0	1	0.7	3.51	0.0
	1981	0	0.0	0.00	0.0	4	14.8	4.48	3.3	4	3.2	4.48	0.0
	1983	3	5.6	7.60	0.1	4	20.0	4.11	4.0	7	9.5	11.71	0.1
	1984	1	1.5	3.89	0.0	5	1.7	5.14	6.8	6	1.7	9.03	0.1
	1985	0	0.0	0.00	0.0	36	12.4	9.54	3.7	36	9.3	9.54	0.1
	1986	7	3.6	19.01	0.1	4	2.3	3.17	0.6	11	3.0	22.18	0.1
	1987	9	5.5	10.83	0.1	52	57.1	9.95	9.5	61	23.8	20.78	0.2
	1988	0	0.0	0.00	0.0	2	2.5	0.34	0.1	2	0.7	0.34	0.0
	TOTAL	27	2.4	62.76	0.0	322	15.3	186.96	7.2	349	10.9	249.72	0.2
SAND SHINER	1977	0	0.0	0.00	0.0	18	1.7	5.87	0.7	18	1.5	5.87	0.0
	1984	0	0.0	0.00	0.0	5	1.7	3.92	5.2	5	1.4	3.92	0.0
	1985	0	0.0	0.00	0.0	1	0.3	0.31	0.1	1	0.3	0.31	0.0
	1986	0	0.0	0.00	0.0	1	0.6	0.67	0.1	1	0.3	0.67	0.0
	TOTAL	0	0.0	0.00	0.0	25	1.4	10.77	0.6	25	1.1	10.77	0.0

APPENDIX D-6 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		----ELECTROFISHING---- NO.	%NO.	WT(G)	%WT	-------SEINING-------- NO.	%NO.	WT(G)	%WT	----------TOTAL---------- NO.	%NO.	WT(G)	%WT
REDFIN SHINER	1977	0	0.0	0.00	0.0	116	10.9	20.95	2.6	116	9.8	20.95	0.1
	1979	0	0.0	0.00	0.0	1	1.4	0.72	0.5	1	0.7	0.72	0.0
	1981	0	0.0	0.00	0.0	7	25.9	4.23	3.2	7	5.6	4.23	0.0
	1982	0	0.0	0.00	0.0	1	5.9	0.92	11.5	1	1.4	0.92	0.0
	1985	0	0.0	0.00	0.0	2	0.7	2.52	1.0	2	0.5	2.52	0.0
	1986	1	0.5	1.00	0.0	0	0.0	0.00	0.0	1	0.3	1.00	0.0
	1987	2	1.2	1.61	0.0	0	0.0	0.00	0.0	2	0.8	1.61	0.0
	TOTAL	3	0.4	2.61	0.0	127	7.3	29.34	1.5	130	5.1	31.95	0.0
MIMIC SHINER	1986	0	0.0	0.00	0.0	2	1.1	0.75	0.1	2	0.5	0.75	0.0
	TOTAL	0	0.0	0.00	0.0	2	1.1	0.75	0.1	2	0.5	0.75	0.0
BLUNTNOSE MINNOW	1977	2	1.7	4.99	0.0	71	6.7	48.79	6.0	73	6.2	53.78	0.3
	1978	11	6.4	24.49	0.2	24	53.3	38.03	50.2	35	16.1	62.52	0.6
	1979	1	1.3	2.06	0.0	14	19.7	11.04	8.4	15	9.9	13.10	0.2
	1981	3	3.1	16.43	0.1	2	7.4	0.83	0.6	5	4.0	17.26	0.1
	1982	1	1.9	2.47	0.0	1	5.9	0.52	6.5	2	2.9	2.99	0.0
	1983	2	3.7	3.36	0.0	4	20.0	3.94	3.8	6	8.1	7.30	0.1
	1984	2	2.9	3.83	0.0	6	2.1	4.72	6.2	8	2.3	8.55	0.1
	1985	1	1.0	3.68	0.0	69	23.7	37.01	14.2	70	18.0	40.69	0.4
	1986	6	3.1	10.03	0.1	116	66.3	116.76	21.7	122	33.2	126.79	0.7
	1987	3	1.8	7.83	0.1	7	7.7	4.82	4.6	10	3.9	12.65	0.1
	1988	0	0.0	0.00	0.0	1	1.3	0.60	0.1	1	0.3	0.60	0.0
	TOTAL	32	2.4	79.17	0.1	315	14.5	267.06	10.0	347	9.9	346.23	0.2
BULLHEAD MINNOW	1977	3	2.5	12.10	0.1	7	0.7	2.57	0.3	10	0.8	14.67	0.1
	1978	3	1.7	6.44	0.1	0	0.0	0.00	0.0	3	1.4	6.44	0.1
	1979	1	1.3	4.00	0.1	0	0.0	0.00	0.0	1	0.7	4.00	0.0
	1982	1	1.9	2.66	0.0	0	0.0	0.00	0.0	1	1.4	2.66	0.0
	1983	0	0.0	0.00	0.0	2	10.0	0.30	0.3	2	2.7	0.30	0.0
	1984	1	1.5	4.15	0.0	1	0.3	0.08	0.1	2	0.6	4.23	0.0
	1985	2	2.0	8.21	0.1	0	0.0	0.00	0.0	2	0.5	8.21	0.1
	1986	0	0.0	0.00	0.0	2	1.1	0.03	0.0	2	0.5	0.03	0.0
	TOTAL	11	1.3	37.56	0.0	12	0.6	2.98	0.1	23	0.8	40.54	0.0
UNIDENTIFIED MINNOWS	1977	0	0.0	0.00	0.0	254	23.8	18.82	2.3	254	21.4	18.82	0.1
	1978	0	0.0	0.00	0.0	1	2.2	0.04	0.1	1	0.5	0.04	0.0
	TOTAL	0	0.0	0.00	0.0	255	23.0	18.86	2.1	255	18.2	18.86	0.1
QUILLBACK	1977	1	0.4	295.00	1.7	0	0.0	0.00	0.0	1	0.0	295.00	1.6
	1978	2	1.2	1490.00	13.9	0	0.0	0.00	0.0	2	0.9	1490.00	13.8
	1979	2	2.5	1085.00	13.6	0	0.0	0.00	0.0	2	1.3	1085.00	13.4
	1982	3	5.8	1850.00	15.3	0	0.0	0.00	0.0	3	4.3	1850.00	15.3
	1983	7	13.0	4530.00	35.4	0	0.0	0.00	0.0	7	9.5	4530.00	35.1
	1984	3	4.4	1400.00	13.3	0	0.0	0.00	0.0	3	0.8	1400.00	13.2
	1985	6	6.1	3645.00	33.4	0	0.0	0.00	0.0	6	1.5	3645.00	32.7
	1986	5	2.6	3172.00	17.5	0	0.0	0.00	0.0	5	1.4	3172.00	17.0
	1987	5	3.0	3800.00	38.0	0	0.0	0.00	0.0	5	2.0	3800.00	37.6
	1988	2	0.9	1293.90	5.4	0	0.0	0.00	0.0	2	0.7	1293.90	5.3
	TOTAL	36	2.9	22560.90	16.8	0	0.0	0.00	0.0	36	1.1	22560.90	16.5
WHITE SUCKER	1981	1	1.0	530.00	3.2	0	0.0	0.00	0.0	1	0.8	530.00	3.1
	1982	1	1.9	140.00	1.2	0	0.0	0.00	0.0	1	1.4	140.00	1.2
	TOTAL	2	1.3	670.00	2.3	0	0.0	0.00	0.0	2	1.0	670.00	2.3
NORTHERN HOGSUCKER	1986	1	0.5	490.00	2.7	0	0.0	0.00	0.0	1	0.3	490.00	2.6
	1988	4	1.8	2105.20	8.8	0	0.0	0.00	0.0	4	1.3	2105.20	8.6
	TOTAL	5	1.2	2595.20	6.2	0	0.0	0.00	0.0	5	0.7	2595.20	6.0
SMALLMOUTH BUFFALO	1983	1	1.9	565.00	4.4	0	0.0	0.00	0.0	1	1.4	565.00	4.4
	TOTAL	1	1.9	565.00	4.4	0	0.0	0.00	0.0	1	1.4	565.00	4.4
BIGMOUTH BUFFALO	1982	1	1.9	470.00	3.9	0	0.0	0.00	0.0	1	1.4	470.00	3.9
	TOTAL	1	1.9	470.00	3.9	0	0.0	0.00	0.0	1	1.4	470.00	3.9
SILVER REDHORSE	1977	1	0.4	810.00	4.7	0	0.0	0.00	0.0	1	0.0	810.00	4.5
	1978	2	1.2	101.00	0.9	0	0.0	0.00	0.0	2	0.9	101.00	0.9
	1982	1	1.9	1100.00	9.1	0	0.0	0.00	0.0	1	1.4	1100.00	9.1
	1984	2	2.9	1150.00	10.9	0	0.0	0.00	0.0	2	0.6	1150.00	10.8
	1988	2	0.9	16.07	0.1	0	0.0	0.00	0.0	2	0.7	16.07	0.1
	TOTAL	8	1.2	3177.07	4.3	0	0.0	0.00	0.0	8	0.4	3177.07	4.2
RIVER REDHORSE	1977	5	4.2	553.50	3.2	0	0.0	0.00	0.0	5	0.4	553.50	3.1
	1981	1	1.0	230.00	1.4	0	0.0	0.00	0.0	1	0.8	230.00	1.4
	1986	5	2.6	95.00	0.5	0	0.0	0.00	0.0	5	1.4	95.00	0.5
	TOTAL	11	2.7	878.50	1.7	0	0.0	0.00	0.0	11	0.7	878.50	1.6
BLACK REDHORSE	1983	1	1.9	400.00	3.1	0	0.0	0.00	0.0	1	1.4	400.00	3.1
	TOTAL	1	1.9	400.00	3.1	0	0.0	0.00	0.0	1	1.4	400.00	3.1
GOLDEN REDHORSE	1977	21	17.5	6782.50	39.3	0	0.0	0.00	0.0	21	1.8	6782.50	37.5
	1978	10	5.8	1956.05	18.3	0	0.0	0.00	0.0	10	4.6	1956.05	18.2
	1979	10	12.5	1960.00	24.6	0	0.0	0.00	0.0	10	6.6	1960.00	24.2
	1981	9	9.2	2206.00	13.1	0	0.0	0.00	0.0	9	7.2	2206.00	13.0
	1982	5	9.6	2110.00	17.5	0	0.0	0.00	0.0	5	7.2	2110.00	17.5
	1983	3	5.6	1540.00	12.0	0	0.0	0.00	0.0	3	4.1	1540.00	11.9
	1984	12	17.6	3690.00	35.0	0	0.0	0.00	0.0	12	3.4	3690.00	34.8
	1985	3	3.1	1391.00	12.8	0	0.0	0.00	0.0	3	0.8	1391.00	12.5
	1986	20	10.4	7818.46	43.2	0	0.0	0.00	0.0	20	5.4	7818.46	42.0
	1987	4	2.4	1139.00	11.4	0	0.0	0.00	0.0	4	1.6	1139.00	11.3
	1988	24	10.6	12109.90	50.4	0	0.0	0.00	0.0	24	7.8	12109.90	49.5
	TOTAL	121	9.1	42702.91	28.2	0	0.0	0.00	0.0	121	3.5	42702.91	27.8
SHORTHEAD REDHORSE	1977	8	6.7	2433.50	14.1	0	0.0	0.00	0.0	8	0.7	2433.50	13.5
	1978	1	0.6	32.00	0.3	0	0.0	0.00	0.0	1	0.5	32.00	0.3
	1979	2	2.5	964.00	12.1	0	0.0	0.00	0.0	2	1.3	964.00	11.9
	1981	9	9.2	3797.00	22.6	0	0.0	0.00	0.0	9	7.2	3797.00	22.4
	1982	1	1.9	360.00	3.0	0	0.0	0.00	0.0	1	1.4	360.00	3.0
	1986	3	1.6	102.00	0.6	0	0.0	0.00	0.0	3	0.8	102.00	0.5
	1988	1	0.4	408.00	1.7	0	0.0	0.00	0.0	1	0.3	408.00	1.7
	TOTAL	25	2.7	8096.50	7.6	0	0.0	0.00	0.0	25	1.0	8096.50	7.4
UNIDENTIFIED REDHORSE	1977	2	1.7	7.16	0.0	3	0.3	5.71	0.7	5	0.4	12.87	0.1
	1978	2	1.2	1.73	0.0	0	0.0	0.00	0.0	2	0.9	1.73	0.0
	TOTAL	4	1.4	8.89	0.0	3	0.3	5.71	0.6	7	0.5	14.60	0.1

APPENDIX D-6 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	%NO.	WT(G)	%WT	SEINING NO.	%NO.	WT(G)	%WT	TOTAL NO.	%NO.	WT(G)	%WT
YELLOW BULLHEAD	1979	1	1.3	170.00	2.1	0	0.0	0.00	0.0	1	0.7	170.00	2.1
	TOTAL	1	1.3	170.00	2.1	0	0.0	0.00	0.0	1	0.7	170.00	2.1
CHANNEL CATFISH	1977	2	1.3	876.50	5.1	0	0.0	0.00	0.0	2	0.1	876.50	4.8
	1979	1	1.3	605.00	7.6	0	0.0	0.00	0.0	1	0.7	605.00	7.5
	TOTAL	3	1.3	1481.50	5.9	0	0.0	0.00	0.0	3	0.2	1481.50	5.7
STONECAT	1977	1	0.4	12.50	0.1	0	0.0	0.00	0.0	1	0.0	12.50	0.1
	1985	1	1.0	5.57	0.1	0	0.0	0.00	0.0	1	0.3	5.57	0.0
	1988	1	0.4	16.00	0.1	0	0.0	0.00	0.0	1	0.3	16.00	0.1
	TOTAL	3	0.6	34.07	0.1	0	0.0	0.00	0.0	3	0.1	34.07	0.1
BLACKSTRIPE TOPMINNOW	1977	0	0.0	0.00	0.0	7	0.7	4.51	0.6	7	0.6	4.51	0.0
	1979	0	0.0	0.00	0.0	1	1.4	0.26	0.2	1	0.7	0.26	0.0
	1983	0	0.0	0.00	0.0	4	20.0	5.86	5.7	4	5.4	5.86	0.0
	1984	0	0.0	0.00	0.0	2	0.7	1.66	2.2	2	0.6	1.66	0.0
	1985	0	0.0	0.00	0.0	6	2.1	4.68	1.8	6	1.5	4.68	0.0
	1987	0	0.0	0.00	0.0	10	11.0	2.94	2.8	10	3.9	2.94	0.0
	1988	0	0.0	0.00	0.0	27	33.8	23.65	5.5	27	8.8	23.65	0.1
	TOTAL	0	0.0	0.00	0.0	57	3.0	43.56	2.3	57	2.1	43.56	0.0
BROOK SILVERSIDE	1977	3	2.5	3.26	0.0	55	5.2	25.99	3.2	58	4.9	29.25	0.2
	1984	0	0.0	0.00	0.0	14	4.9	2.51	3.3	14	4.0	2.51	0.0
	1985	0	0.0	0.00	0.0	17	5.8	5.49	2.1	17	4.4	5.49	0.0
	1986	1	0.5	1.44	0.0	0	0.0	0.00	0.0	1	0.3	1.44	0.0
	1987	1	0.6	0.63	0.0	2	2.2	0.64	0.6	3	1.2	1.27	0.0
	1988	9	4.0	10.16	0.0	0	0.0	0.00	0.0	9	2.9	10.16	0.0
	TOTAL	14	1.6	15.49	0.0	88	4.4	34.63	1.6	102	3.6	50.12	0.1
ROCK BASS	1977	14	11.7	851.92	4.9	4	0.4	2.48	0.3	18	1.5	854.40	4.7
	1978	9	5.2	399.00	3.7	0	0.0	0.00	0.0	9	4.1	399.00	3.7
	1979	13	16.3	676.00	8.5	1	1.4	56.00	42.8	14	9.3	732.00	9.1
	1981	8	8.2	659.00	3.9	4	14.8	9.14	6.8	12	9.6	668.14	3.9
	1982	6	11.5	617.00	5.1	0	0.0	0.00	0.0	6	8.7	617.00	5.1
	1984	3	4.4	230.00	2.2	0	0.0	0.00	0.0	3	0.8	230.00	2.2
	1985	8	8.2	222.13	2.0	0	0.0	0.00	0.0	8	2.1	222.13	2.0
	1986	35	18.1	2433.00	13.5	0	0.0	0.00	0.0	35	9.5	2433.00	13.1
	1987	36	21.8	2240.92	22.4	1	1.1	36.68	34.9	37	14.5	2277.60	22.5
	1988	25	11.0	1997.06	8.3	2	2.5	41.21	9.6	27	8.8	2038.27	8.3
	TOTAL	157	12.3	10326.03	7.5	12	0.6	145.51	5.7	169	4.9	10471.54	7.4
GREEN SUNFISH	1977	11	9.2	263.27	1.5	3	0.3	13.51	1.7	14	1.2	276.78	1.5
	1978	30	17.3	645.63	6.0	0	0.0	0.00	0.0	30	13.8	645.63	6.0
	1979	24	30.0	442.00	5.6	2	2.8	21.12	16.1	26	17.2	463.12	5.7
	1981	16	16.3	248.00	1.5	0	0.0	0.00	0.0	16	12.8	248.00	1.5
	1982	12	23.1	192.00	1.6	0	0.0	0.00	0.0	12	17.4	192.00	1.6
	1983	8	14.8	74.25	0.6	0	0.0	0.00	0.0	8	10.8	74.25	0.6
	1984	7	10.3	315.82	3.0	0	0.0	0.00	0.0	7	2.0	315.82	3.0
	1985	5	5.1	365.00	3.3	0	0.0	0.00	0.0	5	1.3	365.00	3.3
	1986	7	3.6	324.98	1.8	2	1.1	12.01	2.2	9	2.4	336.99	1.8
	1987	7	4.2	255.10	2.6	1	1.1	0.32	0.3	8	3.1	255.42	2.5
	1988	0	0.0	0.00	0.0	1	1.3	14.68	3.4	1	0.3	14.68	0.1
	TOTAL	127	9.6	3126.05	2.1	9	0.4	61.64	2.3	136	3.9	3187.69	2.1
PUMPKINSEED	1977	1	0.4	3.34	0.0	0	0.0	0.00	0.0	1	0.0	3.34	0.0
	TOTAL	1	0.4	3.34	0.0	0	0.0	0.00	0.0	1	0.0	3.34	0.0
ORANGESPOTTED SUNFISH	1977	1	0.8	3.03	0.0	4	0.4	1.35	0.2	5	0.4	4.38	0.0
	1978	15	8.7	198.00	1.9	0	0.0	0.00	0.0	15	6.9	198.00	1.8
	1979	3	3.8	46.00	0.6	0	0.0	0.00	0.0	3	2.0	46.00	0.6
	1981	9	9.2	75.92	0.5	0	0.0	0.00	0.0	9	7.2	75.92	0.4
	1983	2	3.7	38.00	0.3	0	0.0	0.00	0.0	2	2.7	38.00	0.3
	1984	5	7.4	61.00	0.6	0	0.0	0.00	0.0	5	1.4	61.00	0.6
	1985	8	8.2	95.88	0.9	0	0.0	0.00	0.0	8	2.1	95.88	0.9
	1986	28	14.5	410.73	2.3	11	6.3	118.27	22.0	39	10.6	529.00	2.8
	1987	11	6.7	132.05	1.3	2	2.2	0.22	0.2	13	5.1	132.27	1.3
	1988	4	1.8	50.35	0.2	2	2.5	13.65	3.2	6	2.0	64.00	0.3
	TOTAL	86	6.7	1110.96	0.8	19	0.9	133.49	5.0	105	3.1	1244.45	0.9
BLUEGILL	1977	1	0.4	0.92	0.0	2	0.2	0.68	0.1	3	0.2	1.60	0.0
	1978	8	4.6	79.00	0.7	1	2.2	5.00	6.6	9	4.1	84.00	0.8
	1979	1	1.3	15.00	0.2	0	0.0	0.00	0.0	1	0.7	15.00	0.2
	1981	1	1.0	3.00	0.0	0	0.0	0.00	0.0	1	0.8	3.00	0.0
	1983	1	1.9	26.00	0.2	0	0.0	0.00	0.0	1	1.4	26.00	0.2
	1984	1	1.5	10.00	0.1	0	0.0	0.00	0.0	1	0.3	10.00	0.1
	1986	4	2.1	203.27	1.1	4	2.3	12.24	2.3	8	2.2	215.51	1.2
	1987	5	3.0	71.54	0.7	4	4.4	1.34	1.3	9	3.5	72.88	0.7
	1988	2	0.9	227.00	0.9	1	1.3	0.56	0.1	3	1.0	227.56	0.9
	TOTAL	24	2.0	635.73	0.5	12	0.6	19.82	0.8	36	1.2	655.55	0.5
NORTHERN LONGEAR SUNFISH	1977	12	10.0	170.39	1.0	3	0.3	31.22	3.8	15	1.3	201.61	1.1
	TOTAL	12	10.0	170.39	1.0	3	0.3	31.22	3.8	15	1.3	201.61	1.1
LONGEAR SUNFISH	1977	4	2.9	50.04	0.3	7	0.7	6.99	0.9	11	0.9	57.03	0.3
	1978	47	27.2	776.40	7.3	1	2.2	15.00	19.8	48	22.0	791.40	7.3
	1979	10	12.5	154.00	1.9	3	4.2	11.52	8.8	13	8.6	165.52	2.0
	1981	15	15.3	183.00	1.1	0	0.0	0.00	0.0	15	12.0	183.00	1.1
	1982	7	13.5	61.32	0.5	0	0.0	0.00	0.0	7	10.1	61.32	0.5
	1983	5	9.3	57.69	0.5	1	5.0	78.18	75.4	6	8.1	135.87	1.1
	1984	16	23.5	153.67	1.5	0	0.0	0.00	0.0	16	4.5	153.67	1.4
	1985	24	24.5	380.78	3.5	3	1.0	20.39	7.8	27	6.9	401.17	3.6
	1986	51	26.4	949.11	5.2	23	13.1	238.56	44.3	74	20.1	1187.67	6.4
	1987	60	36.4	837.63	8.4	3	3.3	42.90	40.8	63	24.6	880.53	8.7
	1988	14	6.2	183.45	0.8	13	16.3	160.73	37.5	27	8.8	344.18	1.4
	TOTAL	253	19.0	3787.09	2.5	54	2.5	574.27	21.5	307	8.8	4361.36	2.8
GREEN SUNFISH X BLUEGILL	1985	1	1.0	88.40	0.8	0	0.0	0.00	0.0	1	0.3	88.40	0.8
	TOTAL	1	1.0	88.40	0.8	0	0.0	0.00	0.0	1	0.3	88.40	0.8
UNIDENTIFIED SUNFISH	1977	0	0.0	0.00	0.0	1	0.1	0.02	0.0	1	0.1	0.02	0.0
	1981	0	0.0	0.00	0.0	1	3.7	0.12	0.1	1	0.8	0.12	0.0
	1982	0	0.0	0.00	0.0	1	5.9	0.15	1.9	1	1.4	0.15	0.0
	1983	0	0.0	0.00	0.0	3	15.0	0.49	0.5	3	4.1	0.49	0.0
	TOTAL	0	0.0	0.00	0.0	6	0.5	0.78	0.1	6	0.4	0.78	0.0
SMALLMOUTH BASS	1977	16	12.9	2176.05	12.6	0	0.0	0.00	0.0	16	1.3	2176.05	12.0
	1978	17	9.8	1434.24	13.4	0	0.0	0.00	0.0	17	7.8	1434.24	13.3
	1979	6	7.5	1013.00	12.7	0	0.0	0.00	0.0	6	4.0	1013.00	12.5
	1981	8	8.2	2524.00	15.0	1	3.7	0.21	0.2	9	7.2	2524.21	14.9
	1982	6	11.5	1702.00	14.1	0	0.0	0.00	0.0	6	8.7	1702.00	14.1
	1983	17	31.5	875.11	6.8	0	0.0	0.00	0.0	17	23.0	875.11	6.8
	1984	9	13.2	1523.00	14.5	0	0.0	0.00	0.0	9	2.5	1523.00	14.4
	1985	36	36.7	3369.67	30.9	10	3.4	31.05	11.9	46	11.8	3400.72	30.5
	1986	13	6.7	1585.00	8.8	0	0.0	0.00	0.0	13	3.5	1585.00	8.5
	1987	13	7.9	879.00	8.8	2	2.2	1.53	1.5	15	5.9	880.53	8.7
	1988	80	35.2	2549.20	10.6	30	37.5	172.67	40.3	110	35.8	2721.87	11.1
	TOTAL	221	16.6	19630.27	13.0	43	2.0	205.46	7.7	264	7.5	19835.73	12.9

APPENDIX D-6 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	%NO.	WT(G)	%WT	SEINING NO.	%NO.	WT(G)	%WT	TOTAL NO.	%NO.	WT(G)	%WT
LARGEMOUTH BASS	1977	1	0.8	8.79	0.1	3	0.3	40.97	5.0	4	0.3	49.76	0.3
	1978	4	2.3	161.78	1.5	1	2.2	2.74	3.6	5	2.3	164.52	1.5
	1979	0	0.0	0.00	0.0	1	1.4	3.19	2.4	1	0.7	3.19	0.0
	1981	3	3.1	345.00	2.1	2	7.4	55.35	41.3	5	4.0	400.35	2.4
	1982	2	3.8	192.84	1.6	1	5.9	1.58	19.8	3	4.3	194.42	1.6
	1984	2	2.9	20.00	0.2	0	0.0	0.00	0.0	2	0.6	20.00	0.2
	1985	2	2.0	1230.00	11.3	4	1.4	9.17	3.5	6	1.5	1239.17	11.1
	1986	4	2.1	421.00	2.3	0	0.0	0.00	0.0	4	1.1	421.00	2.3
	1987	2	1.2	11.90	0.1	0	0.0	0.00	0.0	2	0.8	11.90	0.1
	TOTAL	20	1.9	2391.31	2.1	12	0.6	113.00	5.3	32	1.0	2504.31	2.2
WHITE CRAPPIE	1977	0	0.0	0.00	0.0	4	0.4	6.89	0.8	4	0.3	6.89	0.0
	1979	1	1.3	54.00	0.7	11	15.5	7.54	5.8	12	7.9	61.54	0.8
	1981	1	1.0	56.00	0.3	1	3.7	20.00	14.9	2	1.6	76.00	0.4
	1982	0	0.0	0.00	0.0	1	5.9	0.46	5.8	1	1.4	0.46	0.0
	1986	0	0.0	0.00	0.0	1	0.6	15.01	2.8	1	0.3	15.01	0.1
	TOTAL	2	0.4	110.00	0.2	18	1.3	49.90	3.1	20	1.1	159.90	0.2
BLACK CRAPPIE	1977	1	0.4	4.00	0.0	40	3.8	275.93	34.0	41	3.4	279.93	1.5
	1979	1	1.3	18.00	0.2	9	12.7	9.47	7.2	10	6.6	27.47	0.3
	1981	0	0.0	0.00	0.0	2	7.4	20.25	15.1	2	1.6	20.25	0.1
	1986	0	0.0	0.00	0.0	1	0.6	17.54	3.3	1	0.3	17.54	0.1
	TOTAL	2	0.3	22.00	0.0	52	3.9	323.19	20.0	54	2.9	345.19	0.6
JOHNNY DARTER	1978	0	0.0	0.00	0.0	1	2.2	0.33	0.4	1	0.5	0.33	0.0
	1979	0	0.0	0.00	0.0	1	1.4	0.16	0.1	1	0.7	0.16	0.0
	1986	0	0.0	0.00	0.0	7	4.0	3.09	0.6	7	1.9	3.09	0.0
	1987	1	0.6	0.56	0.0	0	0.0	0.00	0.0	1	0.4	0.56	0.0
	TOTAL	1	0.2	0.56	0.0	9	2.4	3.58	0.4	10	1.0	4.14	0.0
BANDED DARTER	1977	0	0.0	0.00	0.0	7	0.7	2.15	0.3	7	0.6	2.15	0.0
	TOTAL	0	0.0	0.00	0.0	7	0.7	2.15	0.3	7	0.6	2.15	0.0
LOG PERCH	1988	26	11.5	80.31	0.3	0	0.0	0.00	0.0	26	8.5	80.31	0.3
	TOTAL	26	11.5	80.31	0.3	0	0.0	0.00	0.0	26	8.5	80.31	0.3
BLACKSIDE DARTER	1979	0	0.0	0.00	0.0	2	2.8	1.62	1.2	2	1.3	1.62	0.0
	1985	0	0.0	0.00	0.0	1	0.3	0.86	0.3	1	0.3	0.86	0.0
	1987	0	0.0	0.00	0.0	1	1.1	1.18	1.1	1	0.4	1.18	0.0
	TOTAL	0	0.0	0.00	0.0	4	0.9	3.66	0.7	4	0.5	3.66	0.0
SLENDERHEAD DARTER	1986	1	0.5	2.01	0.0	0	0.0	0.00	0.0	1	0.3	2.01	0.0
	1988	5	2.2	14.89	0.1	0	0.0	0.00	0.0	5	1.6	14.89	0.1
	TOTAL	6	1.4	16.90	0.0	0	0.0	0.00	0.0	6	0.9	16.90	0.0
WALLEYE	1977	2	1.3	62.00	0.4	0	0.0	0.00	0.0	2	0.1	62.00	0.3
	TOTAL	2	1.3	62.00	0.4	0	0.0	0.00	0.0	2	0.1	62.00	0.3

APPENDIX D-7. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING				SEINING				TOTAL			
		NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT
LONGNOSE GAR	1977	1	0.7	45.00	0.3	0	0.0	0.00	0.0	1	0.2	45.00	0.3
	1978	1	0.9	29.00	0.7	1	2.1	5.92	22.9	2	1.3	34.92	0.9
	1979	1	1.4	22.00	0.7	0	0.0	0.00	0.0	1	0.5	22.00	0.7
	1985	0	0.0	0.00	0.0	1	0.7	50.00	16.9	1	0.4	50.00	0.8
	1988	3	1.7	98.00	0.6	0	0.0	0.00	0.0	3	0.5	98.00	0.6
	TOTAL	6	1.0	194.00	0.4	2	0.2	55.92	3.1	8	0.5	249.92	0.5
GIZZARD SHAD	1977	2	2.1	9.88	0.1	2	0.8	0.93	0.6	4	1.1	10.81	0.1
	1978	18	16.5	116.66	3.0	0	0.0	0.00	0.0	18	11.5	116.66	3.0
	1981	2	2.6	99.00	0.6	0	0.0	0.00	0.0	2	1.7	99.00	0.5
	1986	2	1.5	34.00	0.3	0	0.0	0.00	0.0	2	1.0	34.00	0.3
	1987	2	1.4	221.92	2.8	78	24.3	3.55	0.9	80	17.2	225.47	2.7
	1988	1	0.6	404.00	2.6	57	14.2	708.68	58.4	58	10.0	1112.68	6.6
	TOTAL	27	3.7	885.46	1.2	137	12.4	713.16	30.1	164	8.9	1598.62	2.1
GRASS PICKEREL	1977	1	0.7	6.00	0.0	0	0.0	0.00	0.0	1	0.2	6.00	0.0
	1978	3	2.8	10.00	0.3	0	0.0	0.00	0.0	3	1.9	10.00	0.3
	1979	2	2.8	24.00	0.8	0	0.0	0.00	0.0	2	1.0	24.00	0.7
	1981	3	3.8	44.00	0.2	1	2.7	2.64	1.6	4	3.5	46.64	0.3
	1982	0	0.0	0.00	0.0	1	4.5	2.00	5.2	1	1.5	2.00	0.0
	TOTAL	9	2.3	84.00	0.2	2	0.4	4.64	0.9	11	1.2	88.64	0.2
NORTHERN PIKE	1984	1	1.1	80.00	1.1	0	0.0	0.00	0.0	1	0.8	80.00	1.0
	1987	1	0.7	1700.00	21.7	0	0.0	0.00	0.0	1	0.2	1700.00	20.6
	TOTAL	2	0.9	1780.00	11.5	0	0.0	0.00	0.0	2	0.3	1780.00	11.2
CARP	1977	3	4.1	6565.00	41.8	0	0.0	0.00	0.0	3	0.9	6565.00	41.4
	1978	1	0.9	410.00	10.5	0	0.0	0.00	0.0	1	0.6	410.00	10.4
	1979	1	1.4	910.00	28.5	0	0.0	0.00	0.0	1	0.5	910.00	27.5
	1981	2	2.6	6.00	0.0	0	0.0	0.00	0.0	2	1.7	6.00	0.0
	1982	4	9.1	6620.00	43.6	0	0.0	0.00	0.0	4	6.1	6620.00	43.5
	1983	1	3.3	1455.00	18.1	0	0.0	0.00	0.0	1	1.2	1455.00	18.0
	1987	1	0.7	660.00	8.4	0	0.0	0.00	0.0	1	0.2	660.00	8.0
	1988	1	0.6	59.00	0.4	0	0.0	0.00	0.0	1	0.2	59.00	0.4
	TOTAL	14	1.9	16685.00	19.1	0	0.0	0.00	0.0	14	0.7	16685.00	18.6
HORNYHEAD CHUB	1977	0	0.0	0.00	0.0	2	0.8	0.75	0.5	2	0.6	0.75	0.0
	1978	0	0.0	0.00	0.0	2	4.3	0.55	2.1	2	1.3	0.55	0.0
	1979	0	0.0	0.00	0.0	2	1.6	0.65	0.6	2	1.0	0.65	0.0
	1987	0	0.0	0.00	0.0	2	0.6	0.47	0.1	2	0.4	0.47	0.0
	TOTAL	0	0.0	0.00	0.0	8	1.1	2.42	0.3	8	0.7	2.42	0.0
GOLDEN SHINER	1981	1	1.3	3.00	0.0	0	0.0	0.00	0.0	1	0.9	3.00	0.0
	TOTAL	1	1.3	3.00	0.0	0	0.0	0.00	0.0	1	0.9	3.00	0.0
EMERALD SHINER	1986	1	0.7	7.42	0.1	0	0.0	0.00	0.0	1	0.5	7.42	0.1
	1987	0	0.0	0.00	0.0	15	4.7	3.75	0.9	15	3.2	3.75	0.0
	TOTAL	1	0.4	7.42	0.0	15	4.0	3.75	0.5	16	2.4	11.17	0.1
STRIPED SHINER	1977	0	0.0	0.00	0.0	1	0.4	0.62	0.4	1	0.3	0.62	0.0
	1978	0	0.0	0.00	0.0	14	29.8	3.65	14.1	14	9.0	3.65	0.1
	1979	0	0.0	0.00	0.0	1	0.8	0.27	0.2	1	0.5	0.27	0.0
	1983	0	0.0	0.00	0.0	27	51.9	8.46	22.7	27	32.9	8.46	0.1
	1985	3	2.8	2.00	0.0	34	25.4	21.41	7.2	37	15.2	23.41	0.4
	1987	1	0.7	0.92	0.0	13	4.0	2.88	0.7	14	3.0	3.80	0.0
	1988	6	3.4	7.21	0.0	17	4.2	24.25	2.0	23	4.0	31.46	0.2
	TOTAL	10	1.4	10.13	0.0	107	8.1	61.54	2.7	117	5.7	71.67	0.1
RED SHINER	1979	0	0.0	0.00	0.0	2	1.6	1.48	1.3	2	1.0	1.48	0.0
	TOTAL	0	0.0	0.00	0.0	2	1.6	1.48	1.3	2	1.0	1.48	0.0
ROSYFACE SHINER	1977	0	0.0	0.00	0.0	24	9.7	10.51	6.9	24	7.5	10.51	0.1
	1978	3	2.8	1.98	0.1	0	0.0	0.00	0.0	3	1.9	1.98	0.1
	1979	0	0.0	0.00	0.0	2	1.6	0.63	0.5	2	1.0	0.63	0.0
	1981	0	0.0	0.00	0.0	1	2.7	1.70	1.0	1	0.9	1.70	0.0
	1982	0	0.0	0.00	0.0	5	22.7	3.54	9.2	5	7.6	3.54	0.0
	1983	2	6.7	0.91	0.0	0	0.0	0.00	0.0	2	2.4	0.91	0.0
	1985	2	1.8	1.24	0.0	32	23.9	12.76	4.3	34	14.0	14.00	0.2
	1987	3	2.1	9.32	0.1	14	4.4	3.82	0.9	17	3.7	13.14	0.2
	1988	14	7.8	9.61	0.1	200	49.8	156.20	12.9	214	36.8	165.81	1.0
	TOTAL	24	2.9	23.06	0.0	278	20.0	189.16	7.7	302	13.6	212.22	0.2
SPOTFIN SHINER	1977	11	15.2	50.99	0.3	144	58.1	85.98	56.4	155	48.4	136.97	0.9
	1978	3	2.8	7.94	0.2	3	6.4	4.57	17.7	6	3.8	12.51	0.3
	1979	5	6.9	18.88	0.6	83	66.9	78.76	68.2	88	44.9	97.64	2.9
	1981	3	3.8	9.05	0.1	18	48.6	25.34	15.4	21	18.3	34.39	0.2
	1982	0	0.0	0.00	0.0	1	4.5	1.64	4.3	1	1.5	1.64	0.0
	1983	0	0.0	0.00	0.0	22	42.3	27.77	74.4	22	26.8	27.77	0.3
	1984	17	18.5	36.17	0.5	24	92.3	28.50	49.9	41	34.7	64.67	0.8
	1985	0	0.0	0.00	0.0	29	21.6	32.79	11.1	29	11.9	32.79	0.5
	1986	5	3.6	4.17	0.0	21	38.9	14.74	3.6	26	13.6	18.91	0.2
	1987	41	28.7	56.29	0.7	49	15.3	39.94	9.9	90	19.4	96.23	1.2
	1988	2	1.1	8.51	0.1	18	4.5	16.59	1.4	20	3.4	25.10	0.1
	TOTAL	87	8.2	192.00	0.2	412	28.1	356.62	12.2	499	19.7	548.62	0.5
SAND SHINER	1977	1	0.7	0.15	0.0	14	5.6	6.29	4.1	15	4.5	6.44	0.0
	1978	0	0.0	0.00	0.0	8	17.0	2.12	8.2	8	5.1	2.12	0.1
	1979	0	0.0	0.00	0.0	5	4.0	2.35	2.0	5	2.6	2.35	0.1
	1981	0	0.0	0.00	0.0	1	2.7	1.28	0.8	1	0.9	1.28	0.0
	1984	0	0.0	0.00	0.0	1	3.8	0.13	0.2	1	0.8	0.13	0.0
	1986	0	0.0	0.00	0.0	5	9.3	2.18	0.5	5	2.6	2.18	0.0
	1988	1	0.6	2.50	0.0	2	0.5	0.77	0.1	3	0.5	3.27	0.0
	TOTAL	2	0.2	2.65	0.0	36	3.8	15.12	0.7	38	2.2	17.77	0.0
REDFIN SHINER	1977	0	0.0	0.00	0.0	2	0.8	0.38	0.2	2	0.6	0.38	0.0
	1978	0	0.0	0.00	0.0	1	2.1	1.15	4.4	1	0.6	1.15	0.0
	1981	0	0.0	0.00	0.0	8	21.6	4.00	2.4	8	7.0	4.00	0.0
	1982	0	0.0	0.00	0.0	3	13.6	2.94	7.7	3	4.5	2.94	0.0
	1987	1	0.7	1.39	0.0	2	0.6	1.75	0.4	3	0.6	3.14	0.0
	1988	0	0.0	0.00	0.0	1	0.2	0.48	0.0	1	0.2	0.48	0.0
	TOTAL	1	0.2	1.39	0.0	17	1.6	10.70	0.5	18	1.1	12.09	0.0
MIMIC SHINER	1977	0	0.0	0.00	0.0	1	0.4	0.13	0.1	1	0.3	0.13	0.0
	1981	0	0.0	0.00	0.0	1	2.7	0.40	0.2	1	0.9	0.40	0.0
	1986	0	0.0	0.00	0.0	1	1.9	0.34	0.1	1	0.5	0.34	0.0
	1987	0	0.0	0.00	0.0	47	14.6	25.16	6.2	47	10.1	25.16	0.3
	1988	0	0.0	0.00	0.0	1	0.2	0.59	0.0	1	0.2	0.59	0.0
	TOTAL	0	0.0	0.00	0.0	51	4.8	26.62	1.1	51	3.1	26.62	0.0

APPENDIX D-7 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	%NO.	WT(G)	%WT	SEINING NO.	%NO.	WT(G)	%WT	TOTAL NO.	%NO.	WT(G)	%WT
SUCKERMOUTH MINNOW	1978	0	0.0	0.00	0.0	1	2.1	0.28	1.1	1	0.6	0.28	0.0
	1979	0	0.0	0.00	0.0	2	1.6	1.17	1.0	2	1.0	1.17	0.0
	TOTAL	0	0.0	0.00	0.0	3	1.8	1.45	1.0	3	0.9	1.45	0.0
BLUNTNOSE MINNOW	1977	2	2.8	5.28	0.0	13	5.2	11.48	7.5	15	4.7	16.76	0.1
	1978	1	0.9	4.00	0.1	12	25.5	4.72	18.3	13	8.3	8.72	0.2
	1979	5	6.9	21.66	0.7	7	5.6	11.72	10.2	12	6.1	33.38	1.0
	1983	0	0.0	0.00	0.0	1	1.9	0.54	1.4	1	1.2	0.54	0.0
	1984	2	2.2	4.43	0.1	0	0.0	0.00	0.0	2	1.7	4.43	0.1
	1985	8	7.3	19.32	0.3	13	9.7	11.17	3.8	21	8.6	30.49	0.5
	1986	5	3.6	7.92	0.1	16	29.6	12.34	3.0	21	11.0	20.26	0.2
	1987	22	15.4	27.85	0.4	28	8.7	26.32	6.5	50	10.8	54.17	0.7
	1988	3	1.7	3.40	0.0	11	2.7	23.27	1.9	14	2.4	26.67	0.2
	TOTAL	48	5.1	93.86	0.1	101	7.2	101.56	3.7	149	6.3	195.42	0.2
BULLHEAD MINNOW	1977	12	15.9	33.01	0.2	7	2.8	1.85	1.2	19	5.8	34.86	0.2
	1978	1	0.9	1.04	0.0	0	0.0	0.00	0.0	1	0.6	1.04	0.0
	1979	2	2.8	12.00	0.4	2	1.6	3.96	3.4	4	2.0	15.96	0.5
	1981	1	1.3	4.40	0.0	2	5.4	0.87	0.5	3	2.6	5.27	0.0
	1984	1	1.1	4.38	0.1	0	0.0	0.00	0.0	1	0.8	4.38	0.1
	1986	1	0.7	1.17	0.0	1	1.9	1.00	0.2	2	1.0	2.17	0.0
	1987	1	0.7	2.22	0.0	1	0.3	2.11	0.5	2	0.4	4.33	0.1
	1988	1	0.6	1.94	0.0	1	0.2	2.55	0.2	2	0.3	4.49	0.0
	TOTAL	20	2.2	60.16	0.1	14	1.1	12.34	0.5	34	1.6	72.50	0.1
CREEK CHUB	1979	0	0.0	0.00	0.0	1	0.8	0.41	0.4	1	0.5	0.41	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.8	0.41	0.4	1	0.5	0.41	0.0
UNIDENTIFIED MINNOWS	1977	0	0.0	0.00	0.0	19	7.7	1.16	0.8	19	5.9	1.16	0.0
	TOTAL	0	0.0	0.00	0.0	19	7.7	1.16	0.8	19	5.9	1.16	0.0
QUILLBACK	1977	1	1.4	466.50	3.0	0	0.0	0.00	0.0	1	0.3	466.50	2.9
	1981	1	1.3	350.00	2.0	0	0.0	0.00	0.0	1	0.9	350.00	1.9
	1982	2	4.5	1035.00	6.8	0	0.0	0.00	0.0	2	3.0	1035.00	6.8
	1983	7	23.3	4265.00	53.1	0	0.0	0.00	0.0	7	8.5	4265.00	52.8
	1984	4	4.3	2860.00	37.6	0	0.0	0.00	0.0	4	3.4	2860.00	37.3
	1985	1	0.9	770.00	12.7	0	0.0	0.00	0.0	1	0.4	770.00	12.1
	1986	2	1.5	1535.00	13.9	0	0.0	0.00	0.0	2	1.0	1535.00	13.4
	1987	2	1.4	1305.00	16.7	0	0.0	0.00	0.0	2	0.4	1305.00	15.8
	1988	2	1.1	2043.00	13.1	0	0.0	0.00	0.0	2	0.3	2043.00	12.1
	TOTAL	22	2.5	14629.50	13.9	0	0.0	0.00	0.0	22	1.0	14629.50	13.6
WHITE SUCKER	1977	1	0.7	275.00	1.8	0	0.0	0.00	0.0	1	0.2	275.00	1.7
	TOTAL	1	0.7	275.00	1.8	0	0.0	0.00	0.0	1	0.2	275.00	1.7
NORTHERN HOGSUCKER	1977	1	0.7	377.50	2.4	0	0.0	0.00	0.0	1	0.2	377.50	2.4
	1979	1	1.4	36.00	1.1	0	0.0	0.00	0.0	1	0.5	36.00	1.1
	1981	1	1.3	320.00	1.8	0	0.0	0.00	0.0	1	0.9	320.00	1.8
	1982	1	2.3	515.00	3.4	0	0.0	0.00	0.0	1	1.5	515.00	3.4
	1984	3	3.3	1995.00	26.2	0	0.0	0.00	0.0	3	2.5	1995.00	26.0
	1986	1	0.7	236.00	2.1	0	0.0	0.00	0.0	1	0.5	236.00	2.1
	1987	1	0.7	560.00	7.1	0	0.0	0.00	0.0	1	0.2	560.00	6.8
	1988	3	1.7	1418.80	9.1	0	0.0	0.00	0.0	3	0.5	1418.80	8.4
	TOTAL	12	1.4	5458.30	5.8	0	0.0	0.00	0.0	12	0.6	5458.30	5.6
SMALLMOUTH BUFFALO	1987	0	0.0	0.00	0.0	1	0.3	3.24	0.8	1	0.2	3.24	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.3	3.24	0.8	1	0.2	3.24	0.0
SILVER REDHORSE	1978	2	1.8	113.00	2.9	0	0.0	0.00	0.0	2	1.3	113.00	2.9
	1982	1	2.3	215.00	1.4	0	0.0	0.00	0.0	1	1.5	215.00	1.4
	1983	1	3.3	86.00	1.1	0	0.0	0.00	0.0	1	1.2	86.00	1.1
	1988	1	0.6	4.86	0.0	0	0.0	0.00	0.0	1	0.2	4.86	0.0
	TOTAL	5	1.4	418.86	1.0	0	0.0	0.00	0.0	5	0.6	418.86	1.0
RIVER REDHORSE	1977	1	1.4	63.00	0.4	0	0.0	0.00	0.0	1	0.3	63.00	0.4
	1978	2	1.8	192.00	4.9	0	0.0	0.00	0.0	2	1.3	192.00	4.9
	1981	6	7.7	2700.00	15.1	0	0.0	0.00	0.0	6	5.2	2700.00	14.9
	1982	1	2.3	525.00	3.5	0	0.0	0.00	0.0	1	1.5	525.00	3.5
	1985	1	0.9	2.38	0.0	0	0.0	0.00	0.0	1	0.4	2.38	0.0
	1986	7	5.1	135.00	1.2	0	0.0	0.00	0.0	7	3.7	135.00	1.2
	TOTAL	18	3.3	3617.38	5.2	0	0.0	0.00	0.0	18	1.6	3617.38	5.1
GOLDEN REDHORSE	1977	5	6.2	1394.00	8.9	0	0.0	0.00	0.0	5	1.4	1394.00	8.8
	1978	7	6.4	477.00	12.2	0	0.0	0.00	0.0	7	4.5	477.00	12.1
	1979	14	19.4	708.00	22.1	0	0.0	0.00	0.0	14	7.1	708.00	21.4
	1981	6	7.7	1906.00	10.6	0	0.0	0.00	0.0	6	5.2	1906.00	10.5
	1982	8	18.2	3690.00	24.3	0	0.0	0.00	0.0	8	12.1	3690.00	24.3
	1983	1	3.3	430.00	5.3	0	0.0	0.00	0.0	1	1.2	430.00	5.3
	1984	5	5.4	617.00	8.1	0	0.0	0.00	0.0	5	4.2	617.00	8.1
	1985	9	8.3	1762.14	29.0	2	1.5	2.97	1.0	11	4.5	1765.11	27.7
	1986	22	16.1	4770.10	43.1	1	1.9	365.00	89.4	23	12.0	5135.10	44.7
	1987	5	3.5	1201.00	15.3	0	0.0	0.00	0.0	5	1.1	1201.00	14.6
	1988	12	6.7	7494.20	48.0	1	0.2	4.42	0.4	13	2.2	7498.62	44.6
	TOTAL	94	8.8	24449.44	21.8	4	0.3	372.39	12.8	98	3.8	24821.83	21.6
SHORTHEAD REDHORSE	1977	4	4.8	1525.50	9.7	0	0.0	0.00	0.0	4	1.1	1525.50	9.6
	1978	3	2.8	557.09	14.2	0	0.0	0.00	0.0	3	1.9	557.09	14.1
	1979	2	2.8	82.00	2.6	0	0.0	0.00	0.0	2	1.0	82.00	2.5
	1981	18	23.1	6930.00	38.6	0	0.0	0.00	0.0	18	15.7	6930.00	38.3
	1983	1	3.3	75.00	0.9	0	0.0	0.00	0.0	1	1.2	75.00	0.9
	1985	6	5.5	14.44	0.2	0	0.0	0.00	0.0	6	2.5	14.44	0.2
	1986	3	2.2	523.00	4.7	0	0.0	0.00	0.0	3	1.6	523.00	4.6
	1988	1	0.6	1225.80	7.9	0	0.0	0.00	0.0	1	0.2	1225.80	7.3
	TOTAL	38	4.8	10932.83	13.4	0	0.0	0.00	0.0	38	2.0	10932.83	13.0
UNIDENTIFIED REDHORSE	1977	3	4.1	9.70	0.1	2	0.8	2.77	1.8	5	1.6	12.47	0.1
	TOTAL	3	4.1	9.70	0.1	2	0.8	2.77	1.8	5	1.6	12.47	0.1
CHANNEL CATFISH	1977	1	0.7	300.00	1.9	0	0.0	0.00	0.0	1	0.2	300.00	1.9
	1981	1	1.3	1140.00	6.4	0	0.0	0.00	0.0	1	0.9	1140.00	6.3
	TOTAL	2	1.0	1440.00	4.3	0	0.0	0.00	0.0	2	0.3	1440.00	4.2
STONECAT	1977	1	1.4	24.50	0.2	0	0.0	0.00	0.0	1	0.3	24.50	0.2
	1979	2	2.8	33.00	1.0	0	0.0	0.00	0.0	2	1.0	33.00	1.0
	1984	1	1.1	16.00	0.2	1	3.8	28.48	49.9	2	1.7	44.48	0.6
	1987	1	0.7	25.00	0.3	0	0.0	0.00	0.0	1	0.2	25.00	0.3
	TOTAL	5	1.3	98.50	0.3	1	0.1	28.48	3.9	6	0.5	126.98	0.4
PIRATE PERCH	1987	1	0.7	2.25	0.0	0	0.0	0.00	0.0	1	0.2	2.25	0.0
	TOTAL	1	0.7	2.25	0.0	0	0.0	0.00	0.0	1	0.2	2.25	0.0
BLACKSTRIPE TOPMINNOW	1978	0	0.0	0.00	0.0	2	4.3	0.53	2.1	2	1.3	0.53	0.0
	1979	0	0.0	0.00	0.0	1	0.8	0.28	0.2	1	0.5	0.28	0.0
	1983	0	0.0	0.00	0.0	2	3.8	0.58	1.6	2	2.4	0.58	0.0
	1985	0	0.0	0.00	0.0	2	1.5	0.91	0.3	2	0.8	0.91	0.0
	1988	0	0.0	0.00	0.0	1	0.2	0.76	0.1	1	0.2	0.76	0.0
	TOTAL	0	0.0	0.00	0.0	8	1.1	3.06	0.2	8	0.6	3.06	0.0

APPENDIX D-7 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING				SEINING				TOTAL			
		NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT
BROOK SILVERSIDE	1977	0	0.0	0.00	0.0	4	1.6	2.22	1.5	4	1.2	2.22	0.0
	1985	1	0.9	0.37	0.0	3	2.2	0.69	0.2	4	1.6	1.06	0.0
	1986	4	2.9	9.82	0.1	3	5.6	4.77	1.2	7	3.7	14.59	0.1
	1987	0	0.0	0.00	0.0	41	12.8	17.19	4.3	41	8.8	17.19	0.2
	1988	0	0.0	0.00	0.0	27	6.7	17.76	1.5	27	4.6	17.76	0.1
	TOTAL	5	0.8	10.19	0.0	78	6.7	42.63	1.7	83	4.6	52.82	0.1
ROCK BASS	1977	4	4.8	186.22	1.2	2	0.8	1.24	0.8	6	1.7	187.46	1.2
	1978	10	9.2	713.16	18.2	0	0.0	0.00	0.0	10	6.4	713.16	18.1
	1979	6	8.3	552.00	17.3	0	0.0	0.00	0.0	6	3.1	552.00	16.7
	1981	8	10.3	644.00	3.6	1	2.7	120.00	73.1	9	7.8	764.00	4.2
	1982	8	18.2	306.00	2.0	0	0.0	0.00	0.0	8	12.1	306.00	2.0
	1983	1	3.3	98.00	1.2	0	0.0	0.00	0.0	1	1.2	98.00	1.2
	1985	11	10.1	471.00	7.8	1	0.7	84.00	28.4	12	4.9	555.00	8.7
	1986	5	3.6	724.00	6.5	0	0.0	0.00	0.0	5	2.6	724.00	6.3
	1987	8	5.6	578.00	7.4	2	0.6	108.93	27.0	10	2.2	686.93	8.3
	1988	6	3.4	636.29	4.1	7	1.7	14.79	1.2	13	2.2	651.08	3.9
	TOTAL	67	6.8	4908.67	4.7	13	0.9	328.96	11.5	80	3.3	5237.63	4.9
GREEN SUNFISH	1978	10	9.2	126.24	3.2	0	0.0	0.00	0.0	10	6.4	126.24	3.2
	1979	4	5.6	45.00	1.4	1	0.8	0.16	0.1	5	2.6	45.16	1.4
	1981	6	7.7	57.00	0.3	0	0.0	0.00	0.0	6	5.2	57.00	0.3
	1982	4	9.1	128.00	0.8	0	0.0	0.00	0.0	4	6.1	128.00	0.8
	1983	6	20.0	211.00	2.6	0	0.0	0.00	0.0	6	7.3	211.00	2.6
	1984	22	23.9	647.15	8.5	0	0.0	0.00	0.0	22	18.6	647.15	8.4
	1985	21	19.3	733.37	12.1	0	0.0	0.00	0.0	21	8.6	733.37	11.5
	1986	35	25.5	971.97	8.8	0	0.0	0.00	0.0	35	18.3	971.97	8.5
	1987	5	3.5	79.70	1.0	0	0.0	0.00	0.0	5	1.1	79.70	1.0
	1988	3	1.7	47.00	0.3	0	0.0	0.00	0.0	3	0.5	47.00	0.3
	TOTAL	116	11.7	3046.43	3.2	1	0.1	0.16	0.0	117	5.3	3046.59	3.1
PUMPKINSEED	1986	3	2.2	101.57	0.9	0	0.0	0.00	0.0	3	1.6	101.57	0.9
	TOTAL	3	2.2	101.57	0.9	0	0.0	0.00	0.0	3	1.6	101.57	0.9
ORANGESPOTTED SUNFISH	1977	0	0.0	0.00	0.0	1	0.4	0.07	0.0	1	0.3	0.07	0.0
	1981	2	2.6	31.00	0.2	1	2.7	7.04	4.3	3	2.6	38.04	0.2
	1982	0	0.0	0.00	0.0	3	13.6	20.37	53.1	3	4.5	20.37	0.1
	1985	7	6.4	86.00	1.4	0	0.0	0.00	0.0	7	2.9	86.00	1.4
	1986	2	1.5	23.00	0.2	0	0.0	0.00	0.0	2	1.0	23.00	0.2
	1987	0	0.0	0.00	0.0	1	0.3	1.52	0.4	1	0.2	1.52	0.0
	1988	4	2.2	52.00	0.3	4	1.0	10.52	0.9	8	1.4	62.52	0.4
	TOTAL	15	2.0	192.00	0.2	10	0.8	39.52	1.5	25	1.3	231.52	0.3
BLUEGILL	1977	0	0.0	0.00	0.0	3	1.2	1.33	0.9	3	0.9	1.33	0.0
	1978	2	1.8	22.00	0.6	0	0.0	0.00	0.0	2	1.3	22.00	0.6
	1982	1	2.3	11.00	0.1	0	0.0	0.00	0.0	1	1.5	11.00	0.1
	1983	5	16.7	230.00	2.9	0	0.0	0.00	0.0	5	6.1	230.00	2.8
	1984	3	3.3	38.14	0.5	0	0.0	0.00	0.0	3	2.5	38.14	0.5
	1986	5	3.6	49.00	0.4	0	0.0	0.00	0.0	5	2.6	49.00	0.4
	1987	2	1.4	6.13	0.1	14	4.4	5.35	1.3	16	3.4	11.48	0.1
	TOTAL	18	2.9	356.27	0.5	17	2.2	6.68	0.6	35	2.5	362.95	0.5
CENTRAL LONGEAR SUNFISH	1977	1	1.4	8.25	0.1	0	0.0	0.00	0.0	1	0.3	8.25	0.1
	TOTAL	1	1.4	8.25	0.1	0	0.0	0.00	0.0	1	0.3	8.25	0.1
LONGEAR SUNFISH	1977	3	4.1	51.00	0.3	0	0.0	0.00	0.0	3	0.9	51.00	0.3
	1978	23	21.1	340.96	8.7	0	0.0	0.00	0.0	23	14.7	340.96	8.6
	1979	16	22.2	219.72	6.9	0	0.0	0.00	0.0	16	8.2	219.72	6.6
	1981	2	2.6	45.00	0.3	0	0.0	0.00	0.0	2	1.7	45.00	0.2
	1982	7	15.9	78.21	0.5	0	0.0	0.00	0.0	7	10.6	78.21	0.5
	1984	18	19.6	187.25	2.5	0	0.0	0.00	0.0	18	15.3	187.25	2.4
	1985	22	20.2	229.82	3.8	3	2.2	46.47	15.7	25	10.3	276.29	4.3
	1986	17	12.4	427.06	3.9	1	1.9	1.87	0.5	18	9.4	428.93	3.7
	1987	31	21.7	457.27	5.8	9	2.8	139.70	34.6	40	8.6	596.97	7.2
	1988	25	14.0	608.00	3.9	22	5.5	52.14	4.3	47	8.1	660.14	3.9
	TOTAL	164	15.8	2644.29	2.5	35	2.5	240.18	8.4	199	8.1	2884.47	2.7
UNIDENTIFIED SUNFISH	1981	0	0.0	0.00	0.0	1	2.7	0.23	0.1	1	0.9	0.23	0.0
	TOTAL	0	0.0	0.00	0.0	1	2.7	0.23	0.1	1	0.9	0.23	0.0
SMALLMOUTH BASS	1977	17	23.4	3966.92	25.2	2	0.8	23.69	15.5	19	5.9	3990.61	25.2
	1978	16	14.7	722.99	18.4	0	0.0	0.00	0.0	16	10.3	722.99	18.3
	1979	10	13.9	458.16	14.3	1	0.8	3.47	3.0	11	5.6	461.63	13.9
	1981	13	16.7	3489.00	19.5	0	0.0	0.00	0.0	13	11.3	3489.00	19.3
	1982	4	9.1	1661.00	10.9	0	0.0	0.00	0.0	4	6.1	1661.00	10.9
	1983	5	16.7	1187.06	14.8	0	0.0	0.00	0.0	5	6.1	1187.06	14.7
	1984	11	12.0	548.00	7.2	0	0.0	0.00	0.0	11	9.3	548.00	7.2
	1985	16	14.7	1519.00	25.0	2	1.5	13.66	4.6	18	7.4	1532.66	24.1
	1986	13	9.5	1292.00	11.7	0	0.0	0.00	0.0	13	6.8	1292.00	11.3
	1987	11	7.7	776.00	9.9	0	0.0	0.00	0.0	11	2.4	776.00	9.4
	1988	71	39.7	1441.23	9.2	28	7.0	175.78	14.5	99	17.0	1617.01	9.6
	TOTAL	187	17.6	17061.36	15.2	33	2.2	216.60	7.4	220	8.7	17277.96	15.0
LARGEMOUTH BASS	1977	1	0.7	201.00	1.3	0	0.0	0.00	0.0	1	0.2	201.00	1.3
	1978	2	1.8	5.43	0.1	0	0.0	0.00	0.0	2	1.3	5.43	0.1
	1979	0	0.0	0.00	0.0	1	0.8	3.29	2.8	1	0.5	3.29	0.1
	1982	0	0.0	0.00	0.0	3	13.6	4.01	10.4	3	4.5	4.01	0.0
	1984	2	2.2	34.00	0.4	0	0.0	0.00	0.0	2	1.7	34.00	0.4
	1985	1	0.9	455.00	7.5	5	3.7	12.56	4.2	6	2.5	467.56	7.3
	1986	4	2.9	223.00	2.0	0	0.0	0.00	0.0	4	2.1	223.00	1.9
	1987	3	2.1	164.00	2.1	2	0.6	16.62	4.1	5	1.1	180.62	2.2
	TOTAL	13	1.6	1082.43	1.5	11	1.1	36.48	2.4	24	1.3	1118.91	1.6
WHITE CRAPPIE	1977	1	0.7	65.00	0.4	3	1.2	0.62	0.4	4	1.1	65.62	0.4
	1979	1	1.4	54.00	1.7	8	6.5	4.27	3.7	9	4.6	58.27	1.8
	1981	2	2.6	160.00	0.9	2	5.4	0.70	0.4	4	3.5	160.70	0.9
	1982	2	4.5	370.00	2.4	2	9.1	1.19	3.1	4	6.1	371.19	2.4
	1984	1	1.1	113.00	1.5	0	0.0	0.00	0.0	1	0.8	113.00	1.5
	TOTAL	7	1.8	762.00	1.3	15	3.3	6.78	1.3	22	2.6	768.78	1.3

APPENDIX D-7 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING				SEINING				TOTAL			
		NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT
BLACK CRAPPIE	1977	1	0.7	64.00	0.4	0	0.0	0.00	0.0	1	0.2	64.00	0.4
	1978	1	0.9	69.00	1.8	2	4.3	1.83	7.1	3	1.9	70.83	1.8
	1979	0	0.0	0.00	0.0	3	2.4	1.94	1.7	3	1.5	1.94	0.1
	1982	1	2.3	18.00	0.1	4	18.2	2.69	7.0	5	7.6	20.69	0.1
	TOTAL	3	0.8	151.00	0.4	9	2.0	6.46	1.9	12	1.6	157.46	0.4
JOHNNY DARTER	1977	0	0.0	0.00	0.0	1	0.4	0.33	0.2	1	0.3	0.33	0.0
	1978	0	0.0	0.00	0.0	1	2.1	0.53	2.1	1	0.6	0.53	0.0
	1979	0	0.0	0.00	0.0	1	0.8	0.11	0.1	1	0.5	0.11	0.0
	1985	0	0.0	0.00	0.0	1	0.7	0.23	0.1	1	0.4	0.23	0.0
	1986	0	0.0	0.00	0.0	3	5.6	0.73	0.2	3	1.6	0.73	0.0
	1987	0	0.0	0.00	0.0	1	0.3	0.29	0.1	1	0.2	0.29	0.0
	1988	0	0.0	0.00	0.0	2	0.5	0.60	0.0	2	0.3	0.60	0.0
	TOTAL	0	0.0	0.00	0.0	10	0.8	2.82	0.1	10	0.5	2.82	0.0
BANDED DARTER	1977	0	0.0	0.00	0.0	1	0.4	0.19	0.1	1	0.3	0.19	0.0
	1988	1	0.6	0.28	0.0	0	0.0	0.00	0.0	1	0.2	0.28	0.0
	TOTAL	1	0.4	0.28	0.0	1	0.2	0.19	0.0	2	0.2	0.47	0.0
LOG PERCH	1988	16	8.9	42.19	0.3	1	0.2	2.32	0.2	17	2.9	44.51	0.3
	TOTAL	16	8.9	42.19	0.3	1	0.2	2.32	0.2	17	2.9	44.51	0.3
BLACKSIDE DARTER	1979	0	0.0	0.00	0.0	1	0.8	0.52	0.5	1	0.5	0.52	0.0
	1985	0	0.0	0.00	0.0	3	2.2	2.71	0.9	3	1.2	2.71	0.0
	1986	0	0.0	0.00	0.0	1	1.9	3.69	0.9	1	0.5	3.69	0.0
	1987	0	0.0	0.00	0.0	1	0.3	0.70	0.2	1	0.2	0.70	0.0
	1988	0	0.0	0.00	0.0	1	0.2	1.35	0.1	1	0.2	1.35	0.0
	TOTAL	0	0.0	0.00	0.0	7	0.7	8.97	0.4	7	0.4	8.97	0.0
SLENDERHEAD DARTER	1985	0	0.0	0.00	0.0	3	2.2	3.93	1.3	3	1.2	3.93	0.1
	1986	0	0.0	0.00	0.0	1	1.9	1.84	0.5	1	0.5	1.84	0.0
	1988	2	1.1	2.61	0.0	0	0.0	0.00	0.0	2	0.3	2.61	0.0
	TOTAL	2	0.5	2.61	0.0	4	0.7	5.77	0.3	6	0.6	8.38	0.0
WALLEYE	1977	1	0.7	20.00	0.1	0	0.0	0.00	0.0	1	0.2	20.00	0.1
	TOTAL	1	0.7	20.00	0.1	0	0.0	0.00	0.0	1	0.2	20.00	0.1
FRESHWATER DRUM	1984	1	1.1	425.00	5.6	0	0.0	0.00	0.0	1	0.8	425.00	5.5
	TOTAL	1	1.1	425.00	5.6	0	0.0	0.00	0.0	1	0.8	425.00	5.5

APPENDIX D-8. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	%NO.	WT(G)	%WT	SEINING NO.	%NO.	WT(G)	%WT	TOTAL NO.	%NO.	WT(G)	%WT
LONGNOSE GAR	1977	2	0.6	145.00	0.6	0	0.0	0.00	0.0	2	0.2	145.00	0.6
	1978	1	0.2	13.00	0.1	0	0.0	0.00	0.0	1	0.2	13.00	0.1
	1979	1	0.5	35.00	0.2	0	0.0	0.00	0.0	1	0.3	35.00	0.2
	1981	1	0.5	4.00	0.0	0	0.0	0.00	0.0	1	0.3	4.00	0.0
	1983	2	1.8	164.00	0.7	0	0.0	0.00	0.0	2	0.8	164.00	0.7
	1985	1	0.5	25.00	0.2	4	0.2	68.00	3.6	5	0.2	93.00	0.5
	1986	0	0.0	0.00	0.0	1	0.9	1.09	0.2	1	0.2	1.09	0.0
	1988	15	1.9	457.00	2.5	0	0.0	0.00	0.0	15	1.1	457.00	2.4
	TOTAL	23	0.9	843.00	0.5	5	0.1	69.09	1.3	28	0.4	912.09	0.5
BOWFIN	1978	1	0.2	50.00	0.3	0	0.0	0.00	0.0	1	0.2	50.00	0.3
	1981	3	1.4	320.00	1.1	0	0.0	0.00	0.0	3	1.0	320.00	1.0
	1982	2	2.2	1510.00	6.6	0	0.0	0.00	0.0	2	1.3	1510.00	6.5
	1987	2	0.6	1465.00	6.6	0	0.0	0.00	0.0	2	0.3	1465.00	6.5
	TOTAL	8	0.7	3345.00	3.6	0	0.0	0.00	0.0	8	0.4	3345.00	3.5
GIZZARD SHAD	1977	114	35.5	1697.14	7.0	41	4.6	79.74	13.3	155	12.9	1776.88	7.1
	1978	200	42.2	2274.95	12.8	3	4.5	39.71	12.0	203	37.5	2314.66	12.7
	1979	10	5.3	1384.00	8.5	0	0.0	0.00	0.0	10	3.4	1384.00	8.3
	1981	14	6.4	607.00	2.0	1	1.1	2.42	0.3	15	4.9	609.42	2.0
	1982	26	29.2	1841.25	8.0	1	1.5	4.97	4.7	27	17.3	1846.22	8.0
	1983	25	21.9	4837.23	20.7	0	0.0	0.00	0.0	25	10.1	4837.23	20.7
	1984	34	23.0	4065.77	22.1	0	0.0	0.00	0.0	34	6.7	4065.77	21.9
	1985	37	19.8	4873.11	29.4	0	0.0	0.00	0.0	37	1.6	4873.11	26.4
	1986	74	19.7	7855.13	39.9	4	3.8	8.50	1.8	78	16.2	7863.63	39.0
	1987	75	22.8	8008.74	36.2	0	0.0	0.00	0.0	75	9.4	8008.74	35.7
	1988	398	51.7	8061.44	44.2	8	1.4	62.65	9.2	406	30.2	8124.09	43.0
	TOTAL	1007	31.3	45505.76	19.8	58	1.2	197.99	3.5	1065	12.9	45703.75	19.4
GRASS PICKEREL	1977	3	0.9	49.00	0.2	0	0.0	0.00	0.0	3	0.2	49.00	0.2
	1978	9	1.9	163.35	0.9	2	3.0	13.59	4.1	11	2.0	176.94	1.0
	1979	2	1.1	23.00	0.1	0	0.0	0.00	0.0	2	0.7	23.00	0.1
	1981	6	2.7	71.00	0.2	1	1.1	8.32	1.0	7	2.3	79.32	0.3
	1983	1	0.9	8.00	0.0	0	0.0	0.00	0.0	1	0.4	8.00	0.0
	1984	1	0.7	11.00	0.1	1	0.3	16.98	9.3	2	0.4	27.98	0.2
	1986	5	1.3	28.68	0.1	6	5.7	48.27	9.9	11	2.3	76.95	0.4
	1987	0	0.0	0.00	0.0	1	0.2	11.48	3.8	1	0.1	11.48	0.1
	TOTAL	27	1.2	354.03	0.2	11	0.5	98.64	3.2	38	0.9	452.67	0.3
NORTHERN PIKE	1978	2	0.4	46.00	0.3	0	0.0	0.00	0.0	2	0.4	46.00	0.3
	1979	0	0.0	0.00	0.0	1	1.0	30.00	10.9	1	0.3	30.00	0.2
	1981	2	0.9	130.00	0.4	2	2.3	105.00	13.0	4	1.3	235.00	0.8
	1982	1	1.1	530.00	2.3	0	0.0	0.00	0.0	1	0.6	530.00	2.3
	1983	2	1.8	444.00	1.9	0	0.0	0.00	0.0	2	0.8	444.00	1.9
	1984	1	0.7	36.00	0.2	0	0.0	0.00	0.0	1	0.2	36.00	0.2
	1986	1	0.3	41.00	0.2	0	0.0	0.00	0.0	1	0.2	41.00	0.2
	TOTAL	9	0.6	1227.00	0.8	3	0.3	135.00	6.0	12	0.5	1362.00	0.9
CENTRAL STONEROLLER	1982	0	0.0	0.00	0.0	1	1.5	0.96	0.9	1	0.6	0.96	0.0
	1983	0	0.0	0.00	0.0	1	0.7	0.51	0.7	1	0.4	0.51	0.0
	TOTAL	0	0.0	0.00	0.0	2	1.0	1.47	0.8	2	0.5	1.47	0.0
GOLDFISH	1981	1	0.5	165.00	0.5	0	0.0	0.00	0.0	1	0.3	165.00	0.5
	TOTAL	1	0.5	165.00	0.5	0	0.0	0.00	0.0	1	0.3	165.00	0.5
CARP	1977	18	5.6	11005.00	45.3	0	0.0	0.00	0.0	18	1.5	11005.00	44.2
	1978	16	3.4	4091.00	22.9	1	1.5	73.80	22.2	17	3.1	4164.80	22.9
	1979	6	3.2	4180.00	25.6	0	0.0	0.00	0.0	6	2.1	4180.00	25.2
	1981	17	7.7	11543.09	38.0	2	2.3	366.24	45.2	19	6.2	11909.33	38.2
	1982	7	7.9	6420.00	27.9	0	0.0	0.00	0.0	7	4.5	6420.00	27.7
	1983	8	7.0	2380.46	10.2	0	0.0	0.00	0.0	8	3.2	2380.46	10.2
	1984	8	5.4	2187.00	11.9	0	0.0	0.00	0.0	8	1.6	2187.00	11.8
	1985	2	1.1	3237.00	19.5	0	0.0	0.00	0.0	2	0.1	3237.00	17.5
	1986	2	0.5	44.00	0.2	1	0.9	0.71	0.1	3	0.6	44.71	0.2
	1987	7	2.1	3112.00	14.1	0	0.0	0.00	0.0	7	0.9	3112.00	13.9
	1988	22	2.9	1522.61	8.4	1	0.2	24.93	3.6	23	1.7	1547.54	8.2
	TOTAL	113	3.5	49722.16	21.6	5	0.1	465.68	8.1	118	1.4	50187.84	21.3
SILVERJAW MINNOW	1987	0	0.0	0.00	0.0	1	0.2	0.08	0.0	1	0.1	0.08	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.2	0.08	0.0	1	0.1	0.08	0.0
HORNYHEAD CHUB	1977	0	0.0	0.00	0.0	1	0.1	0.22	0.0	1	0.1	0.22	0.0
	1983	0	0.0	0.00	0.0	1	0.7	0.22	0.3	1	0.4	0.22	0.0
	1984	0	0.0	0.00	0.0	1	0.3	0.04	0.0	1	0.2	0.04	0.0
	1985	0	0.0	0.00	0.0	2	0.1	1.01	0.1	2	0.1	1.01	0.0
	1987	0	0.0	0.00	0.0	1	0.2	0.10	0.0	1	0.1	0.10	0.0
	TOTAL	0	0.0	0.00	0.0	6	0.1	1.59	0.1	6	0.1	1.59	0.0
PALLID CHUB	1979	0	0.0	0.00	0.0	4	4.0	1.99	0.7	4	1.4	1.99	0.0
	1981	0	0.0	0.00	0.0	2	2.3	0.56	0.1	2	0.7	0.56	0.0
	1982	0	0.0	0.00	0.0	2	3.0	0.62	0.6	2	1.3	0.62	0.0
	1983	0	0.0	0.00	0.0	1	0.7	0.46	0.7	1	0.4	0.46	0.0
	1984	0	0.0	0.00	0.0	48	13.4	8.97	4.9	48	9.5	8.97	0.0
	1985	1	0.5	0.63	0.0	3	0.1	1.30	0.1	4	0.2	1.93	0.0
	1986	0	0.0	0.00	0.0	2	1.9	0.54	0.1	2	0.4	0.54	0.0
	TOTAL	1	0.1	0.63	0.0	62	2.0	14.44	0.4	63	1.4	15.07	0.0
GOLDEN SHINER	1977	2	0.6	45.00	0.2	0	0.0	0.00	0.0	2	0.2	45.00	0.2
	1978	5	1.1	47.73	0.3	1	1.5	1.46	0.4	6	1.1	49.19	0.3
	1979	5	2.6	61.02	0.4	6	5.9	4.98	1.8	11	3.8	66.00	0.4
	1981	1	0.5	50.00	0.2	1	1.1	0.27	0.0	2	0.7	50.27	0.2
	1982	1	1.1	7.28	0.0	4	6.0	4.09	3.9	5	3.2	11.37	0.0
	1983	1	0.9	7.48	0.0	0	0.0	0.00	0.0	1	0.4	7.48	0.0
	1984	3	2.0	28.00	0.2	0	0.0	0.00	0.0	3	0.6	28.00	0.2
	1985	2	1.1	39.50	0.2	1	0.0	5.65	0.3	3	0.1	45.15	0.2
	1986	1	0.3	2.48	0.0	0	0.0	0.00	0.0	1	0.2	2.48	0.0
	1987	4	1.2	32.84	0.1	0	0.0	0.00	0.0	4	0.5	32.84	0.1
	1988	2	0.3	70.00	0.4	0	0.0	0.00	0.0	2	0.1	70.00	0.4
	TOTAL	27	0.8	391.33	0.2	13	0.3	16.45	0.3	40	0.5	407.78	0.2
EMERALD SHINER	1977	1	0.3	4.37	0.0	0	0.0	0.00	0.0	1	0.1	4.37	0.0
	1985	0	0.0	0.00	0.0	6	0.3	0.44	0.0	6	0.3	0.44	0.0
	TOTAL	1	0.2	4.37	0.0	6	0.2	0.44	0.0	7	0.2	4.81	0.0
GHOST SHINER	1981	0	0.0	0.00	0.0	1	1.1	0.46	0.1	1	0.3	0.46	0.0
	TOTAL	0	0.0	0.00	0.0	1	1.1	0.46	0.1	1	0.3	0.46	0.0
STRIPED SHINER	1978	0	0.0	0.00	0.0	7	10.4	1.85	0.6	7	1.3	1.85	0.0
	1979	0	0.0	0.00	0.0	10	9.9	1.69	0.6	10	3.4	1.69	0.0
	1982	0	0.0	0.00	0.0	1	1.5	0.42	0.4	1	0.6	0.42	0.0
	1983	0	0.0	0.00	0.0	1	0.7	0.42	0.6	1	0.4	0.42	0.0
	1984	0	0.0	0.00	0.0	1	0.3	0.29	0.2	1	0.2	0.29	0.0
	1985	0	0.0	0.00	0.0	84	3.8	24.70	1.3	84	3.5	24.70	0.1
	1986	2	0.5	10.90	0.1	0	0.0	0.00	0.0	2	0.4	10.90	0.1
	1987	0	0.0	0.00	0.0	8	1.7	1.59	0.5	8	1.0	1.59	0.0
	1988	6	0.8	10.05	0.1	89	15.5	36.63	5.4	95	7.1	46.68	0.2
	TOTAL	8	0.3	20.95	0.0	201	4.9	67.59	1.6	209	3.1	88.54	0.0

APPENDIX D-8 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	ELECTROFISHING %NO.	ELECTROFISHING WT(G)	ELECTROFISHING %WT	SEINING NO.	SEINING %NO.	SEINING WT(G)	SEINING %WT	TOTAL NO.	TOTAL %NO.	TOTAL WT(G)	TOTAL %WT
REO SHINER	1981	2	0.9	6.50	0.0	0	0.0	0.00	0.0	2	0.7	6.50	0.0
	1985	0	0.0	0.00	0.0	1	0.0	2.03	0.1	1	0.0	2.03	0.0
	TOTAL	2	0.5	6.50	0.0	1	0.0	2.03	0.1	3	0.1	8.53	0.0
ROSYFACE SHINER	1977	0	0.0	0.00	0.0	11	1.2	3.63	0.6	11	0.9	3.63	0.0
	1979	0	0.0	0.00	0.0	12	11.9	3.34	1.2	12	4.1	3.34	0.0
	1982	1	1.1	0.69	0.0	0	0.0	0.00	0.0	1	0.6	0.69	0.0
	1983	7	6.1	3.70	0.0	0	0.0	0.00	0.0	7	2.8	3.70	0.0
	1984	0	0.0	0.00	0.0	15	4.2	1.36	0.7	15	3.0	1.36	0.0
	1985	4	2.1	1.34	0.0	10	0.5	0.92	0.0	14	0.6	2.26	0.0
	1987	3	0.9	6.07	0.0	0	0.0	0.00	0.0	3	0.4	6.07	0.0
	1988	4	0.5	3.74	0.0	0	0.0	0.00	0.0	4	0.3	3.74	0.0
	TOTAL	19	0.9	15.54	0.0	48	1.0	9.25	0.2	67	1.0	24.79	0.0
SPOTFIN SHINER	1977	6	1.9	15.65	0.1	59	6.7	27.99	4.7	65	5.4	43.64	0.2
	1978	2	0.4	6.93	0.0	0	0.0	0.00	0.0	2	0.4	6.93	0.0
	1979	1	0.5	1.74	0.0	16	15.8	16.19	5.9	17	5.9	17.93	0.1
	1981	1	0.5	3.02	0.0	7	8.0	5.53	0.7	8	2.6	8.55	0.0
	1982	0	0.0	0.00	0.0	1	1.5	0.08	0.1	1	0.6	0.08	0.0
	1983	5	4.4	15.84	0.1	1	0.7	1.79	2.6	6	2.4	17.63	0.1
	1984	1	0.7	1.16	0.0	8	2.2	4.43	2.4	9	1.8	5.59	0.0
	1985	11	5.9	44.07	0.3	98	4.5	16.96	0.9	109	4.6	61.03	0.3
	1986	2	0.5	6.40	0.0	4	3.8	0.09	0.0	6	1.2	6.49	0.0
	1987	17	5.2	31.67	0.1	90	19.2	12.78	4.2	107	13.4	44.45	0.2
	1988	7	0.9	30.81	0.2	50	8.7	9.09	1.3	57	4.2	39.90	0.2
	TOTAL	53	1.6	157.29	0.1	334	6.6	94.93	1.7	387	4.7	252.22	0.1
SAND SHINER	1977	0	0.0	0.00	0.0	53	6.0	9.58	1.6	53	4.4	9.58	0.0
	1978	0	0.0	0.00	0.0	1	1.5	0.12	0.0	1	0.2	0.12	0.0
	1979	0	0.0	0.00	0.0	1	1.0	0.77	0.3	1	0.3	0.77	0.0
	1983	0	0.0	0.00	0.0	5	3.7	2.25	3.3	5	2.0	2.25	0.0
	1984	0	0.0	0.00	0.0	1	0.3	0.11	0.1	1	0.2	0.11	0.0
	1985	0	0.0	0.00	0.0	295	13.5	46.62	2.5	295	12.4	46.62	0.3
	1986	0	0.0	0.00	0.0	8	7.5	0.37	0.1	8	1.7	0.37	0.0
	1987	5	1.5	4.85	0.0	48	10.2	14.62	4.8	53	6.6	19.47	0.1
	1988	2	0.3	3.26	0.0	220	38.3	50.39	7.4	222	16.5	53.65	0.3
	TOTAL	7	0.2	8.11	0.0	632	13.0	124.83	2.6	639	8.2	132.94	0.1
REOFIN SHINER	1977	0	0.0	0.00	0.0	4	0.5	0.47	0.1	4	0.3	0.47	0.0
	1982	1	1.1	1.93	0.0	0	0.0	0.00	0.0	1	0.6	1.93	0.0
	1985	0	0.0	0.00	0.0	1	0.0	0.14	0.0	1	0.0	0.14	0.0
	TOTAL	1	0.2	1.93	0.0	5	0.2	0.61	0.0	6	0.2	2.54	0.0
MIMIC SHINER	1977	0	0.0	0.00	0.0	1	0.1	0.19	0.0	1	0.1	0.19	0.0
	1981	0	0.0	0.00	0.0	1	1.1	0.17	0.0	1	0.3	0.17	0.0
	TOTAL	0	0.0	0.00	0.0	2	0.2	0.36	0.0	2	0.1	0.36	0.0
SUCKERMOUTH MINNOW	1978	0	0.0	0.00	0.0	2	3.0	0.46	0.1	2	0.4	0.46	0.0
	1981	0	0.0	0.00	0.0	1	1.1	0.23	0.0	1	0.3	0.23	0.0
	1983	0	0.0	0.00	0.0	3	2.2	1.39	2.0	3	1.2	1.39	0.0
	1984	0	0.0	0.00	0.0	7	2.0	1.82	1.0	7	1.4	1.82	0.0
	1985	0	0.0	0.00	0.0	13	0.6	9.29	0.5	13	0.5	9.29	0.1
	1987	1	0.3	1.11	0.0	3	0.6	2.59	0.9	4	0.5	3.70	0.0
	1988	3	0.4	2.99	0.0	2	0.3	2.24	0.3	5	0.4	5.23	0.0
	TOTAL	4	0.2	4.10	0.0	31	0.8	18.02	0.4	35	0.6	22.12	0.0
BLUNTNOSE MINNOW	1977	6	1.9	11.30	0.0	130	14.7	79.37	13.3	136	11.3	90.67	0.4
	1978	28	5.9	73.62	0.4	11	16.4	10.65	3.2	39	7.2	84.27	0.5
	1979	5	2.6	16.39	0.1	18	17.8	14.28	5.2	23	7.9	30.67	0.2
	1981	1	0.5	3.00	0.0	15	17.2	8.87	1.1	16	5.2	11.87	0.0
	1982	0	0.0	0.00	0.0	12	17.9	9.07	8.6	12	7.7	9.07	0.0
	1983	3	2.6	2.80	0.0	64	47.8	21.11	31.0	67	27.0	23.91	0.1
	1984	4	2.7	8.56	0.0	58	16.2	36.53	20.1	62	12.3	45.09	0.2
	1985	9	4.8	34.49	0.2	1291	59.1	948.89	50.2	1300	54.8	983.38	5.3
	1986	11	2.9	18.58	0.1	25	23.6	22.71	4.7	36	7.5	41.29	0.2
	1987	24	7.3	57.70	0.3	85	18.1	37.78	12.4	109	13.7	95.48	0.4
	1988	27	3.5	65.49	0.4	94	16.3	31.30	4.6	121	9.0	96.79	0.5
	TOTAL	118	3.7	291.93	0.1	1803	35.8	1220.56	21.3	1921	23.3	1512.49	0.6
FATHEAD MINNOW	1985	0	0.0	0.00	0.0	1	0.0	0.30	0.0	1	0.0	0.30	0.0
	1986	0	0.0	0.00	0.0	1	0.9	0.57	0.1	1	0.2	0.57	0.0
	TOTAL	0	0.0	0.00	0.0	2	0.1	0.87	0.0	2	0.1	0.87	0.0
BULLHEAD MINNOW	1977	17	5.3	39.50	0.2	222	25.1	97.72	16.3	239	19.9	137.22	0.6
	1978	1	0.2	1.07	0.0	0	0.0	0.00	0.0	1	0.2	1.07	0.0
	1979	3	1.6	9.22	0.1	3	3.0	1.45	0.5	6	2.1	10.67	0.1
	1981	0	0.0	0.00	0.0	6	6.9	2.82	0.3	6	2.0	2.82	0.0
	1983	2	1.8	6.76	0.0	9	6.7	1.01	1.5	11	4.4	7.77	0.0
	1984	0	0.0	0.00	0.0	193	53.9	20.75	11.4	193	38.1	20.75	0.1
	1985	8	4.3	30.45	0.2	131	6.0	136.22	7.2	139	5.9	166.67	0.9
	1986	1	0.3	0.69	0.0	0	0.0	0.00	0.0	1	0.2	0.69	0.0
	1987	21	6.4	27.89	0.1	191	40.7	36.70	12.1	212	26.6	64.59	0.3
	1988	13	1.7	39.58	0.2	4	0.7	0.39	0.1	17	1.3	39.97	0.2
	TOTAL	66	2.1	155.16	0.1	759	15.3	297.06	5.3	825	10.2	452.22	0.2
CREEK CHUB	1983	0	0.0	0.00	0.0	2	1.5	0.73	1.1	2	0.8	0.73	0.0
	1985	0	0.0	0.00	0.0	2	0.1	0.51	0.0	2	0.1	0.51	0.0
	TOTAL	0	0.0	0.00	0.0	4	0.2	1.24	0.1	4	0.2	1.24	0.0
UNIDENTIFIED MINNOWS	1977	0	0.0	0.00	0.0	282	31.9	18.43	3.1	282	23.4	18.43	0.1
	1983	0	0.0	0.00	0.0	3	2.2	0.15	0.2	3	1.2	0.15	0.0
	1984	0	0.0	0.00	0.0	2	0.6	0.12	0.1	2	0.4	0.12	0.0
	TOTAL	0	0.0	0.00	0.0	287	20.9	18.70	2.2	287	14.7	18.70	0.0
QUILLBACK	1977	6	1.9	936.15	3.9	1	0.1	7.14	1.2	7	0.6	943.29	3.8
	1978	16	3.4	5345.27	30.0	0	0.0	0.00	0.0	16	3.0	5345.27	29.4
	1979	6	3.2	2101.41	12.9	0	0.0	0.00	0.0	6	2.1	2101.41	12.7
	1981	8	3.6	2910.00	9.6	0	0.0	0.00	0.0	8	2.6	2910.00	9.3
	1982	15	16.9	7270.00	31.6	0	0.0	0.00	0.0	15	9.6	7270.00	31.4
	1983	18	15.8	10461.08	44.8	0	0.0	0.00	0.0	18	7.3	10461.08	44.7
	1984	12	8.1	6960.00	37.9	0	0.0	0.00	0.0	12	2.4	6960.00	37.5
	1985	4	2.1	2750.00	16.6	0	0.0	0.00	0.0	4	0.2	2750.00	14.9
	1986	4	1.1	929.91	4.7	3	2.8	9.99	2.1	7	1.5	939.90	4.7
	1987	3	0.9	1553.70	7.0	0	0.0	0.00	0.0	3	0.4	1553.70	6.9
	1988	12	1.6	849.48	4.7	16	2.8	44.70	6.5	28	2.1	894.18	4.7
	TOTAL	104	3.2	42067.00	18.3	20	0.4	61.83	1.1	124	1.5	42128.83	17.9

APPENDIX D-8 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	ELECTROFISHING %NO.	ELECTROFISHING WT(G)	ELECTROFISHING %WT	SEINING NO.	SEINING %NO.	SEINING WT(G)	SEINING %WT	TOTAL NO.	TOTAL %NO.	TOTAL WT(G)	TOTAL %WT
WHITE SUCKER	1978	1	0.2	7.00	0.0	0	0.0	0.00	0.0	1	0.2	7.00	0.0
	1979	1	0.5	252.00	1.5	0	0.0	0.00	0.0	1	0.3	252.00	1.5
	1982	1	1.1	14.59	0.1	0	0.0	0.00	0.0	1	0.6	14.59	0.1
	1983	1	0.9	65.00	0.3	0	0.0	0.00	0.0	1	0.4	65.00	0.3
	1985	0	0.0	0.00	0.0	1	0.0	3.50	0.2	1	0.0	3.50	0.0
	1986	1	0.3	430.00	2.2	0	0.0	0.00	0.0	1	0.2	430.00	2.1
	TOTAL	5	0.3	768.59	0.7	1	0.0	3.50	0.1	6	0.1	772.09	0.6
NORTHERN HOGSUCKER	1977	1	0.3	267.00	1.1	0	0.0	0.00	0.0	1	0.1	267.00	1.1
	1981	2	0.9	735.00	2.4	0	0.0	0.00	0.0	2	0.7	735.00	2.4
	1982	2	2.2	920.00	4.0	0	0.0	0.00	0.0	2	1.3	920.00	4.0
	1983	2	1.8	1080.00	4.6	0	0.0	0.00	0.0	2	0.8	1080.00	4.6
	1984	1	0.7	240.00	1.3	0	0.0	0.00	0.0	1	0.2	240.00	1.3
	1986	1	0.3	34.00	0.2	0	0.0	0.00	0.0	1	0.2	34.00	0.2
	1988	2	0.3	1193.00	6.5	0	0.0	0.00	0.0	2	0.1	1193.00	6.3
	TOTAL	11	0.5	4469.00	2.8	0	0.0	0.00	0.0	11	0.3	4469.00	2.8
SMALLMOUTH BUFFALO	1988	1	0.1	284.00	1.6	0	0.0	0.00	0.0	1	0.1	284.00	1.5
	TOTAL	1	0.1	284.00	1.6	0	0.0	0.00	0.0	1	0.1	284.00	1.5
BIGMOUTH BUFFALO	1978	2	0.4	426.00	2.4	0	0.0	0.00	0.0	2	0.4	426.00	2.3
	1979	1	0.5	465.00	2.8	0	0.0	0.00	0.0	1	0.3	465.00	2.8
	1981	1	0.5	400.00	1.3	0	0.0	0.00	0.0	1	0.3	400.00	1.3
	1983	3	2.6	1486.00	6.4	0	0.0	0.00	0.0	3	1.2	1486.00	6.3
	TOTAL	7	0.7	2777.00	3.2	0	0.0	0.00	0.0	7	0.5	2777.00	3.1
SPOTTED SUCKER	1978	1	0.2	42.00	0.2	0	0.0	0.00	0.0	1	0.2	42.00	0.2
	1981	1	0.5	510.00	1.7	0	0.0	0.00	0.0	1	0.3	510.00	1.6
	1986	2	0.5	39.44	0.2	0	0.0	0.00	0.0	2	0.4	39.44	0.2
	TOTAL	4	0.4	591.44	0.9	0	0.0	0.00	0.0	4	0.3	591.44	0.9
SILVER REDHORSE	1978	2	0.4	106.00	0.6	0	0.0	0.00	0.0	2	0.4	106.00	0.6
	1979	2	1.1	256.00	1.6	0	0.0	0.00	0.0	2	0.7	256.00	1.5
	1981	1	0.5	9.00	0.0	0	0.0	0.00	0.0	1	0.3	9.00	0.0
	1982	2	2.2	1415.00	6.1	0	0.0	0.00	0.0	2	1.3	1415.00	6.1
	1983	1	0.9	24.00	0.1	0	0.0	0.00	0.0	1	0.4	24.00	0.1
	1984	1	0.7	600.00	3.3	0	0.0	0.00	0.0	1	0.2	600.00	3.2
	1985	9	4.8	524.45	3.2	11	0.5	37.59	2.0	20	0.8	562.04	3.0
	1986	3	0.8	198.00	1.0	0	0.0	0.00	0.0	3	0.6	198.00	1.0
	1988	8	1.0	116.53	0.6	1	0.2	2.00	0.3	9	0.7	118.53	0.6
	TOTAL	29	1.1	3248.98	1.8	12	0.3	39.59	0.8	41	0.7	3288.57	1.7
RIVER REDHORSE	1977	7	2.2	430.00	1.8	0	0.0	0.00	0.0	7	0.6	430.00	1.7
	1979	5	2.6	455.00	2.8	0	0.0	0.00	0.0	5	1.7	455.00	2.7
	1981	2	0.9	840.00	2.8	0	0.0	0.00	0.0	2	0.7	840.00	2.7
	1986	8	2.1	210.00	1.1	0	0.0	0.00	0.0	8	1.7	210.00	1.0
	TOTAL	22	2.0	1935.00	2.1	0	0.0	0.00	0.0	22	1.0	1935.00	2.1
BLACK REDHORSE	1988	1	0.1	4.38	0.0	0	0.0	0.00	0.0	1	0.1	4.38	0.0
	TOTAL	1	0.1	4.38	0.0	0	0.0	0.00	0.0	1	0.1	4.38	0.0
GOLDEN REDHORSE	1977	6	1.9	1096.00	4.5	0	0.0	0.00	0.0	6	0.5	1096.00	4.4
	1978	6	1.3	743.00	4.2	0	0.0	0.00	0.0	6	1.1	743.00	4.1
	1979	12	6.3	1072.00	6.6	0	0.0	0.00	0.0	12	4.1	1072.00	6.5
	1981	7	3.2	2072.00	6.8	0	0.0	0.00	0.0	7	2.3	2072.00	6.6
	1982	9	10.1	1520.00	6.6	0	0.0	0.00	0.0	9	5.8	1520.00	6.6
	1983	1	0.9	130.00	0.6	0	0.0	0.00	0.0	1	0.4	130.00	0.6
	1984	11	7.4	241.33	1.3	0	0.0	0.00	0.0	11	2.2	241.33	1.3
	1985	9	4.8	576.36	3.5	86	3.9	108.12	5.7	95	4.0	684.48	3.7
	1986	23	6.1	782.54	4.0	0	0.0	0.00	0.0	23	4.8	782.54	3.9
	1987	16	4.9	1284.87	5.8	0	0.0	0.00	0.0	16	2.0	1284.87	5.7
	1988	6	0.8	179.70	1.0	0	0.0	0.00	0.0	6	0.4	179.70	1.0
	TOTAL	106	3.3	9697.80	4.2	86	1.7	108.12	1.9	192	2.3	9805.92	4.2
SHORTHEAD REDHORSE	1977	5	1.6	390.00	1.6	0	0.0	0.00	0.0	5	0.4	390.00	1.6
	1978	10	2.1	681.00	3.8	0	0.0	0.00	0.0	10	1.8	681.00	3.7
	1979	4	2.1	362.00	2.2	0	0.0	0.00	0.0	4	1.4	362.00	2.2
	1981	8	3.6	2914.00	9.6	0	0.0	0.00	0.0	8	2.6	2914.00	9.3
	1985	4	2.1	303.97	1.8	4	0.2	6.20	0.3	8	0.3	310.17	1.7
	1986	11	2.9	362.91	1.8	0	0.0	0.00	0.0	11	2.3	362.91	1.8
	1988	29	3.8	257.00	1.4	0	0.0	0.00	0.0	29	2.2	257.00	1.4
	TOTAL	71	2.8	5270.88	3.7	4	0.1	6.20	0.1	75	1.1	5277.08	3.6
UNIDENTIFIED REDHORSE	1977	2	0.6	7.40	0.0	2	0.2	4.87	0.8	4	0.3	12.27	0.0
	1978	4	0.8	4.49	0.0	0	0.0	0.00	0.0	4	0.7	4.49	0.0
	1981	0	0.0	0.00	0.0	1	1.1	0.24	0.0	1	0.3	0.24	0.0
	1982	0	0.0	0.00	0.0	2	3.0	1.90	1.8	2	1.3	1.90	0.0
	1983	0	0.0	0.00	0.0	1	0.7	0.80	1.2	1	0.4	0.80	0.0
	TOTAL	6	0.5	11.89	0.0	6	0.5	7.81	0.4	12	0.5	19.70	0.0
BLACK BULLHEAD	1981	1	0.5	121.00	0.4	0	0.0	0.00	0.0	1	0.3	121.00	0.4
	1985	1	0.5	53.00	0.3	0	0.0	0.00	0.0	1	0.0	53.00	0.3
	1986	1	0.3	97.00	0.5	0	0.0	0.00	0.0	1	0.2	97.00	0.5
	TOTAL	3	0.4	271.00	0.4	0	0.0	0.00	0.0	3	0.1	271.00	0.4
YELLOW BULLHEAD	1984	1	0.7	200.00	1.1	0	0.0	0.00	0.0	1	0.2	200.00	1.1
	TOTAL	1	0.7	200.00	1.1	0	0.0	0.00	0.0	1	0.2	200.00	1.1
CHANNEL CATFISH	1977	1	0.3	1245.00	5.1	0	0.0	0.00	0.0	1	0.1	1245.00	5.0
	1978	1	0.2	940.00	5.3	0	0.0	0.00	0.0	1	0.2	940.00	5.2
	1982	1	1.1	450.00	2.0	0	0.0	0.00	0.0	1	0.6	450.00	1.9
	1983	0	0.0	0.00	0.0	1	0.7	1.58	2.3	1	0.4	1.58	0.0
	1986	0	0.0	0.00	0.0	1	0.9	1.40	0.3	1	0.2	1.40	0.0
	1988	1	0.1	1180.40	6.5	0	0.0	0.00	0.0	1	0.1	1180.40	6.2
	TOTAL	4	0.2	3815.40	3.0	2	0.1	2.98	0.1	6	0.2	3818.38	3.0
STONECAT	1978	1	0.2	18.00	0.1	0	0.0	0.00	0.0	1	0.2	18.00	0.1
	1979	1	0.5	36.00	0.2	0	0.0	0.00	0.0	1	0.3	36.00	0.2
	1981	1	0.5	12.00	0.0	0	0.0	0.00	0.0	1	0.3	12.00	0.0
	1982	1	1.1	20.00	0.1	0	0.0	0.00	0.0	1	0.6	20.00	0.1
	1986	1	0.3	22.00	0.1	0	0.0	0.00	0.0	1	0.2	22.00	0.1
	TOTAL	5	0.4	108.00	0.1	0	0.0	0.00	0.0	5	0.3	108.00	0.1
TADPOLE MADTOM	1987	0	0.0	0.00	0.0	2	0.4	0.74	0.2	2	0.3	0.74	0.0
	TOTAL	0	0.0	0.00	0.0	2	0.4	0.74	0.2	2	0.3	0.74	0.0
BLACKSTRIPE TOPMINNOW	1977	0	0.0	0.00	0.0	5	0.6	2.42	0.4	5	0.4	2.42	0.0
	1978	0	0.0	0.00	0.0	2	3.0	0.42	0.1	2	0.4	0.42	0.0
	1979	0	0.0	0.00	0.0	1	1.0	0.09	0.0	1	0.3	0.09	0.0
	1981	1	0.5	0.00	0.0	0	0.0	0.00	0.0	1	0.3	0.00	0.0
	1982	0	0.0	0.00	0.0	1	1.5	1.36	1.3	1	0.6	1.36	0.0
	1983	0	0.0	0.00	0.0	1	0.7	0.12	0.2	1	0.4	0.12	0.0
	1984	0	0.0	0.00	0.0	2	0.6	0.34	0.2	2	0.4	0.34	0.0
	1986	0	0.0	0.00	0.0	1	0.9	0.14	0.0	1	0.2	0.14	0.0
	1987	0	0.0	0.00	0.0	2	0.4	0.43	0.1	2	0.3	0.43	0.0
	1988	0	0.0	0.00	0.0	6	1.0	1.92	0.3	6	0.4	1.92	0.0
	TOTAL	1	0.0	0.00	0.0	21	0.7	7.24	0.2	22	0.4	7.24	0.0

APPENDIX D-8 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING				SEINING				TOTAL			
		NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT
BROOK SILVERSIDE	1977	4	1.2	3.86	0.0	40	4.5	14.01	2.3	44	3.7	17.87	0.1
	1979	0	0.0	0.00	0.0	1	1.0	0.09	0.0	1	0.3	0.09	0.0
	1984	0	0.0	0.00	0.0	7	2.0	1.12	0.6	7	1.4	1.12	0.0
	1985	1	0.5	0.15	0.0	10	0.5	1.31	0.1	11	0.5	1.46	0.0
	1986	2	0.5	1.22	0.0	0	0.0	0.00	0.0	2	0.4	1.22	0.0
	1987	1	0.3	0.83	0.0	0	0.0	0.00	0.0	1	0.1	0.83	0.0
	1988	9	1.2	8.04	0.0	0	0.0	0.00	0.0	9	0.7	8.04	0.0
	TOTAL	17	0.7	14.10	0.0	58	1.2	16.53	0.4	75	1.1	30.63	0.0
YELLOW BASS	1987	2	0.6	12.15	0.1	0	0.0	0.00	0.0	2	0.3	12.15	0.1
	TOTAL	2	0.6	12.15	0.1	0	0.0	0.00	0.0	2	0.3	12.15	0.1
ROCK BASS	1977	19	5.9	1599.00	6.6	1	0.1	35.00	5.9	20	1.7	1634.00	6.6
	1978	18	3.8	461.00	2.6	1	1.5	50.00	15.1	19	3.5	511.00	2.8
	1979	40	21.2	3238.91	19.9	0	0.0	0.00	0.0	40	13.8	3238.91	19.5
	1981	22	10.0	2640.00	8.7	0	0.0	0.00	0.0	22	7.2	2640.00	8.5
	1983	1	0.9	270.00	1.2	0	0.0	0.00	0.0	1	0.4	270.00	1.2
	1984	4	2.7	187.00	1.0	0	0.0	0.00	0.0	4	0.8	187.00	1.0
	1985	8	4.3	1053.00	6.4	2	0.1	4.47	0.2	10	0.4	1057.47	5.7
	1986	49	13.0	3744.25	19.0	1	0.9	0.36	0.1	50	10.4	3744.61	18.6
	1987	35	10.6	3064.21	13.9	0	0.0	0.00	0.0	35	4.4	3064.21	13.7
	1988	15	1.9	1322.05	7.3	9	1.6	20.79	3.0	24	1.8	1342.84	7.1
	TOTAL	211	6.7	17579.42	8.5	14	0.3	110.62	2.0	225	2.8	17690.04	8.3
GREEN SUNFISH	1977	34	10.6	770.71	3.2	3	0.3	3.15	0.5	37	3.1	773.86	3.1
	1978	57	12.0	1095.48	6.1	11	16.4	115.08	34.7	68	12.6	1210.56	6.7
	1979	38	20.1	986.00	6.0	3	3.0	42.27	15.4	41	14.1	1028.27	6.2
	1981	47	21.4	1306.00	4.3	1	1.1	75.00	9.3	48	15.6	1381.00	4.4
	1982	3	3.4	102.00	0.4	2	3.0	29.60	28.0	5	3.2	131.60	0.6
	1983	1	0.9	44.00	0.2	0	0.0	0.00	0.0	1	0.4	44.00	0.2
	1984	13	8.8	390.01	2.1	1	0.3	58.00	31.8	14	2.8	448.01	2.4
	1985	0	0.0	0.00	0.0	6	0.3	179.20	9.5	6	0.3	179.20	1.0
	1986	29	7.7	1386.25	7.0	14	13.2	297.65	61.3	43	8.9	1683.90	8.4
	1987	30	9.1	1054.51	4.8	11	2.3	135.14	44.4	41	5.1	1189.65	5.3
	1988	2	0.3	64.40	0.4	12	2.1	132.00	19.3	14	1.0	196.40	1.0
	TOTAL	254	7.9	7199.36	3.1	64	1.3	1067.09	18.6	318	3.9	8266.45	3.5
PUMPKINSEED	1981	0	0.0	0.00	0.0	1	1.1	8.87	1.1	1	0.3	8.87	0.0
	1985	2	1.1	56.91	0.3	0	0.0	0.00	0.0	2	0.1	56.91	0.3
	TOTAL	2	0.5	56.91	0.1	1	0.0	8.87	0.3	3	0.1	65.78	0.1
ORANGESPOTTED SUNFISH	1977	7	2.2	40.55	0.2	5	0.6	0.78	0.1	12	1.0	41.33	0.2
	1978	34	7.2	356.00	2.0	2	3.0	11.00	3.3	36	6.7	367.00	2.0
	1979	16	8.5	209.63	1.3	5	5.0	40.06	14.6	21	7.2	249.69	1.5
	1981	31	14.1	258.00	0.8	13	14.9	37.18	4.6	44	14.3	295.18	0.9
	1982	7	7.9	71.00	0.3	6	9.0	12.37	11.7	13	8.3	83.37	0.4
	1983	4	3.5	46.41	0.2	0	0.0	0.00	0.0	4	1.6	46.41	0.2
	1984	21	14.2	147.88	0.8	1	0.3	1.20	0.7	22	4.3	149.08	0.8
	1985	13	7.0	167.10	1.0	24	1.1	115.78	6.1	37	1.6	282.88	1.5
	1986	89	23.7	1117.41	5.7	14	13.2	59.79	12.3	103	21.4	1177.20	5.8
	1987	19	5.8	183.19	0.8	3	0.6	5.31	1.7	22	2.8	188.50	0.8
	1988	10	1.3	71.96	0.4	0	0.0	0.00	0.0	10	0.7	71.96	0.4
	TOTAL	251	7.8	2669.13	1.2	73	1.5	283.47	4.9	324	3.9	2952.60	1.3
BLUEGILL	1977	1	0.3	6.00	0.0	0	0.0	0.00	0.0	1	0.1	6.00	0.0
	1978	4	0.8	29.13	0.2	2	3.0	0.32	0.1	6	1.1	29.45	0.2
	1981	3	1.4	12.00	0.0	0	0.0	0.00	0.0	3	1.0	12.00	0.0
	1982	2	2.2	9.00	0.0	0	0.0	0.00	0.0	2	1.3	9.00	0.0
	1985	2	1.1	90.00	0.5	17	0.8	3.30	0.2	19	0.8	93.30	0.5
	1986	7	1.9	196.93	1.0	14	13.2	20.62	4.2	21	4.4	217.55	1.1
	1987	11	3.3	115.78	0.5	12	2.6	8.44	2.8	23	2.9	124.22	0.6
	TOTAL	30	1.5	458.84	0.3	45	1.2	32.68	0.7	75	1.3	491.52	0.3
NORTHERN LONGEAR SUNFISH	1977	10	3.1	148.00	0.6	1	0.1	11.13	1.9	11	0.9	159.13	0.6
	TOTAL	10	3.1	148.00	0.6	1	0.1	11.13	1.9	11	0.9	159.13	0.6
LONGEAR SUNFISH	1977	8	2.5	87.11	0.4	7	0.8	25.19	4.2	15	1.2	112.30	0.5
	1978	26	5.5	313.00	1.8	0	0.0	0.00	0.0	26	4.8	313.00	1.7
	1979	6	3.2	67.00	0.4	0	0.0	0.00	0.0	6	2.1	67.00	0.4
	1981	3	1.4	11.00	0.0	3	3.4	4.12	0.5	6	2.0	15.12	0.0
	1984	6	4.1	100.00	0.5	2	0.6	11.55	6.3	8	1.6	111.55	0.6
	1985	5	2.7	114.50	0.7	0	0.0	0.00	0.0	5	0.2	114.50	0.6
	1986	30	8.0	382.47	1.9	2	1.9	9.49	2.0	32	6.6	391.96	1.9
	1987	21	6.4	479.08	2.2	7	1.5	29.10	9.6	28	3.5	508.18	2.3
	1988	21	2.7	373.18	2.0	6	1.0	3.25	0.5	27	2.0	376.43	2.0
	TOTAL	126	4.2	1927.34	1.0	27	0.6	82.70	1.5	153	2.0	2010.04	1.1
ORANGESPOTTED XLONGEAR SUNFISH	1981	3	1.4	27.00	0.1	0	0.0	0.00	0.0	3	1.0	27.00	0.1
	TOTAL	3	1.4	27.00	0.1	0	0.0	0.00	0.0	3	1.0	27.00	0.1
GREEN X LONGEAR SUNFISH	1981	2	0.9	55.00	0.2	0	0.0	0.00	0.0	2	0.7	55.00	0.2
	TOTAL	2	0.9	55.00	0.2	0	0.0	0.00	0.0	2	0.7	55.00	0.2
UNIDENTIFIED HYBRID SUNFISH	1982	0	0.0	0.00	0.0	1	1.5	5.31	5.0	1	0.6	5.31	0.0
	TOTAL	0	0.0	0.00	0.0	1	1.5	5.31	5.0	1	0.6	5.31	0.0
UNIDENTIFIED SUNFISH	1977	0	0.0	0.00	0.0	1	0.1	0.02	0.0	1	0.1	0.02	0.0
	1979	0	0.0	0.00	0.0	2	2.0	0.23	0.1	2	0.7	0.23	0.0
	1981	0	0.0	0.00	0.0	3	3.4	0.29	0.0	3	1.0	0.29	0.0
	1982	0	0.0	0.00	0.0	10	14.9	2.21	2.1	10	6.4	2.21	0.0
	1983	1	0.9	0.70	0.0	22	16.4	5.76	8.5	23	9.3	6.46	0.0
	1984	0	0.0	0.00	0.0	6	1.7	0.69	0.4	6	1.2	0.69	0.0
	TOTAL	1	0.1	0.70	0.0	44	2.7	9.20	0.5	45	1.7	9.90	0.0
SMALLMOUTH BASS	1977	16	5.0	2983.00	12.3	0	0.0	0.00	0.0	16	1.3	2983.00	12.0
	1978	10	2.1	374.31	2.1	0	0.0	0.00	0.0	10	1.8	374.31	2.1
	1979	15	7.9	848.00	5.2	3	3.0	9.37	3.4	18	6.2	857.37	5.2
	1981	8	3.6	1525.00	5.0	0	0.0	0.00	0.0	8	2.6	1525.00	4.9
	1982	5	5.6	748.00	3.2	0	0.0	0.00	0.0	5	3.2	748.00	3.2
	1983	18	15.8	1265.14	5.4	0	0.0	0.00	0.0	18	7.3	1265.14	5.4
	1984	22	14.9	2283.00	12.4	0	0.0	0.00	0.0	22	4.3	2283.00	12.3
	1985	51	27.3	2349.05	14.2	23	1.1	85.66	4.5	74	3.1	2434.71	13.2
	1986	13	3.5	1086.00	5.5	0	0.0	0.00	0.0	13	2.7	1086.00	5.4
	1987	13	4.0	744.77	3.4	0	0.0	0.00	0.0	13	1.6	744.77	3.3
	1988	128	16.6	1973.91	10.8	47	8.2	236.49	34.6	175	13.0	2210.40	11.7
	TOTAL	299	9.3	16180.18	7.0	73	1.5	331.52	5.8	372	4.5	16511.70	7.0
LARGEMOUTH BASS	1977	7	2.2	99.00	0.4	2	0.2	31.23	5.2	9	0.7	130.23	0.5
	1978	13	2.7	49.85	0.3	2	3.0	6.40	1.9	15	2.8	56.25	0.3
	1979	4	2.1	30.00	0.2	2	2.0	8.70	3.2	6	2.1	38.70	0.2
	1981	3	1.4	175.00	0.6	4	4.6	18.28	2.3	7	2.3	193.28	0.6
	1982	1	1.1	9.00	0.0	9	13.4	16.55	15.7	10	6.4	25.55	0.1
	1983	5	4.4	450.00	1.9	5	3.7	26.59	39.0	10	4.0	476.59	2.0
	1984	3	2.0	570.00	3.1	3	0.8	17.73	9.7	6	1.2	587.73	3.2
	1985	3	1.6	248.32	1.5	2	0.1	40.02	2.1	5	0.2	288.34	1.6
	1986	1	0.3	480.00	2.4	0	0.0	0.00	0.0	1	0.2	480.00	2.4
	1987	17	5.2	727.57	3.3	1	0.2	5.85	1.9	18	2.3	733.42	3.3
	1988	1	0.1	17.00	0.1	1	0.2	19.53	2.9	2	0.1	36.53	0.2
	TOTAL	58	1.8	2855.74	1.2	31	0.6	190.88	3.3	89	1.1	3046.62	1.3

APPENDIX D-8 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	ELECTROFISHING %NO.	ELECTROFISHING WT(G)	ELECTROFISHING %WT	SEINING NO.	SEINING %NO.	SEINING WT(G)	SEINING %WT	TOTAL NO.	TOTAL %NO.	TOTAL WT(G)	TOTAL %WT
UNIDENTIFIED BLACK BASS	1983	0	0.0	0.00	0.0	3	2.2	0.16	0.2	3	1.2	0.16	0.0
	TOTAL	0	0.0	0.00	0.0	3	2.2	0.16	0.2	3	1.2	0.16	0.0
WHITE CRAPPIE	1977	3	0.9	344.23	1.4	2	0.2	3.48	0.6	5	0.4	347.71	1.4
	1978	2	0.4	52.00	0.3	3	4.5	0.96	0.3	5	0.9	52.96	0.3
	1979	4	2.1	204.55	1.3	9	8.9	97.47	35.5	13	4.5	302.02	1.8
	1981	10	4.5	558.00	1.8	11	12.6	158.27	19.5	21	6.8	716.27	2.3
	1982	1	1.1	170.00	0.7	0	0.0	0.00	0.0	1	0.6	170.00	0.7
	1983	1	0.9	114.00	0.5	1	0.7	0.32	0.5	2	0.8	114.32	0.5
	1984	1	0.7	128.00	0.7	0	0.0	0.00	0.0	1	0.2	128.00	0.7
	1986	2	0.5	165.00	0.8	1	0.9	0.85	0.2	3	0.6	165.85	0.8
	1987	1	0.3	139.00	0.6	0	0.0	0.00	0.0	1	0.1	139.00	0.6
	TOTAL	25	1.1	1874.78	1.0	27	1.2	261.35	8.3	52	1.1	2136.13	1.1
BLACK CRAPPIE	1977	7	2.2	499.36	2.1	9	1.0	142.19	23.8	16	1.3	641.55	2.6
	1978	0	0.0	0.00	0.0	3	4.5	1.21	0.4	3	0.6	1.21	0.0
	1981	5	2.3	384.00	1.3	10	11.5	6.91	0.9	15	4.9	390.91	1.3
	1982	0	0.0	0.00	0.0	4	6.0	11.18	10.6	4	2.6	11.18	0.0
	1986	0	0.0	0.00	0.0	1	0.9	1.21	0.2	1	0.2	1.21	0.0
	TOTAL	12	0.8	883.36	0.8	27	2.2	162.70	7.0	39	1.4	1046.06	0.9
RAINBOW DARTER	1977	1	0.3	0.58	0.0	0	0.0	0.00	0.0	1	0.1	0.58	0.0
	TOTAL	1	0.3	0.58	0.0	0	0.0	0.00	0.0	1	0.1	0.58	0.0
JOHNNY DARTER	1978	0	0.0	0.00	0.0	13	19.4	4.97	1.5	13	2.4	4.97	0.0
	1979	0	0.0	0.00	0.0	3	3.0	0.99	0.4	3	1.0	0.99	0.0
	1982	0	0.0	0.00	0.0	8	11.9	3.77	3.6	8	5.1	3.77	0.0
	1983	0	0.0	0.00	0.0	9	6.7	2.74	4.0	9	3.6	2.74	0.0
	1984	0	0.0	0.00	0.0	1	0.3	0.11	0.1	1	0.2	0.11	0.0
	1985	0	0.0	0.00	0.0	55	2.5	39.53	2.1	55	2.3	39.53	0.2
	1986	0	0.0	0.00	0.0	2	1.9	1.14	0.2	2	0.4	1.14	0.0
	1987	0	0.0	0.00	0.0	3	0.6	1.69	0.6	3	0.4	1.69	0.0
	1988	0	0.0	0.00	0.0	8	1.4	2.99	0.4	8	0.6	2.99	0.0
	TOTAL	0	0.0	0.00	0.0	102	2.5	57.93	1.3	102	1.5	57.93	0.0
YELLOW PERCH	1978	1	0.2	27.00	0.2	0	0.0	0.00	0.0	1	0.2	27.00	0.1
	1979	1	0.5	22.00	0.1	0	0.0	0.00	0.0	1	0.3	22.00	0.1
	1981	1	0.5	16.00	0.1	0	0.0	0.00	0.0	1	0.3	16.00	0.1
	1983	1	0.9	49.00	0.2	0	0.0	0.00	0.0	1	0.4	49.00	0.2
	TOTAL	4	0.4	114.00	0.1	0	0.0	0.00	0.0	4	0.3	114.00	0.1
LOG PERCH	1987	1	0.3	3.23	0.0	0	0.0	0.00	0.0	1	0.1	3.23	0.0
	1988	19	2.5	51.72	0.3	0	0.0	0.00	0.0	19	1.4	51.72	0.3
	TOTAL	20	1.8	54.95	0.1	0	0.0	0.00	0.0	20	0.9	54.95	0.1
BLACKSIDE DARTER	1979	0	0.0	0.00	0.0	1	1.0	0.70	0.3	1	0.3	0.70	0.0
	1982	0	0.0	0.00	0.0	2	3.0	1.27	1.2	2	1.3	1.27	0.0
	1985	0	0.0	0.00	0.0	1	0.0	1.71	0.1	1	0.0	1.71	0.0
	1988	4	0.5	7.98	0.0	1	0.2	2.83	0.4	5	0.4	10.81	0.1
	TOTAL	4	0.3	7.98	0.0	5	0.2	6.51	0.2	9	0.2	14.49	0.0
SLENDERHEAD DARTER	1988	2	0.3	3.95	0.0	0	0.0	0.00	0.0	2	0.1	3.95	0.0
	TOTAL	2	0.3	3.95	0.0	0	0.0	0.00	0.0	2	0.1	3.95	0.0
WALLEYE	1977	7	2.2	350.00	1.4	0	0.0	0.00	0.0	7	0.6	350.00	1.4
	TOTAL	7	2.2	350.00	1.4	0	0.0	0.00	0.0	7	0.6	350.00	1.4

APPENDIX D-9. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	%NO.	WT(G)	%WT	SEINING NO.	%NO.	WT(G)	%WT	TOTAL NO.	%NO.	WT(G)	%WT
LONGNOSE GAR	1979	2	2.8	34.53	0.2	0	0.0	0.00	0.0	2	0.3	34.53	0.2
	1981	1	0.5	520.00	2.1	0	0.0	0.00	0.0	1	0.2	520.00	2.0
	1982	0	0.0	0.00	0.0	1	1.3	4.82	7.4	1	0.9	4.82	0.0
	1985	6	4.0	165.00	1.0	0	0.0	0.00	0.0	6	0.4	165.00	1.0
	1987	2	1.9	118.00	2.2	0	0.0	0.00	0.0	2	0.4	118.00	2.1
	1988	11	3.7	315.00	1.9	0	0.0	0.00	0.0	11	1.9	315.00	1.8
	TOTAL	22	2.5	1152.53	1.3	1	0.0	4.82	0.1	23	0.6	1157.35	1.2
GIZZARD SHAD	1977	15	9.3	466.73	2.3	2	0.2	14.58	2.4	17	1.5	481.31	2.3
	1978	116	50.4	449.56	3.5	1	0.2	7.71	2.3	117	16.1	457.27	3.4
	1979	6	8.3	770.41	5.0	0	0.0	0.00	0.0	6	0.9	770.41	4.8
	1981	49	22.7	607.40	2.4	8	2.9	26.76	4.9	57	11.5	634.16	2.5
	1982	13	43.3	993.00	7.8	0	0.0	0.00	0.0	13	12.1	993.00	7.7
	1983	9	11.7	642.91	3.4	0	0.0	0.00	0.0	9	2.1	642.91	3.4
	1984	1	1.6	310.00	1.4	0	0.0	0.00	0.0	1	0.4	310.00	1.4
	1985	7	4.6	323.06	2.0	0	0.0	0.00	0.0	7	0.5	323.06	1.9
	1986	32	19.3	4375.54	34.9	1	1.0	0.26	0.1	33	12.6	4375.80	34.3
	1987	18	17.0	1654.00	31.5	1	0.3	1.77	0.5	19	4.1	1655.77	29.4
	1988	34	11.4	2366.46	14.3	0	0.0	0.00	0.0	34	5.9	2366.46	13.5
	TOTAL	300	19.1	12959.07	7.3	13	0.3	51.08	1.0	313	4.8	13010.15	7.1
CRASS PICKEREL	1981	11	5.1	150.00	0.6	2	0.7	24.29	4.4	13	2.6	174.29	0.7
	1984	0	0.0	0.00	0.0	1	0.5	8.05	5.7	1	0.4	8.05	0.0
	1986	4	2.4	25.61	0.2	1	1.0	10.44	4.7	5	1.9	36.05	0.3
	TOTAL	15	3.4	175.61	0.3	4	0.7	42.78	4.7	19	1.9	218.39	0.4
NORTHERN PIKE	1979	1	1.4	65.00	0.4	0	0.0	0.00	0.0	1	0.1	65.00	0.4
	1981	4	1.9	1432.00	5.7	0	0.0	0.00	0.0	4	0.8	1432.00	5.5
	1983	1	1.3	21.00	0.1	0	0.0	0.00	0.0	1	0.2	21.00	0.1
	1984	1	1.6	430.00	1.9	0	0.0	0.00	0.0	1	0.4	430.00	1.9
	1985	3	2.0	433.00	2.7	0	0.0	0.00	0.0	3	0.2	433.00	2.6
	1986	1	0.6	800.00	6.4	0	0.0	0.00	0.0	1	0.4	800.00	6.3
	TOTAL	11	1.5	3181.00	2.9	0	0.0	0.00	0.0	11	0.3	3181.00	2.8
CARP	1977	14	8.7	11021.00	54.1	0	0.0	0.00	0.0	14	1.3	11021.00	52.5
	1978	5	2.2	8582.00	66.4	0	0.0	0.00	0.0	5	0.7	8582.00	64.7
	1979	4	5.6	3370.00	21.7	0	0.0	0.00	0.0	4	0.6	3370.00	21.0
	1981	16	7.4	10966.73	43.4	1	0.4	1.11	0.2	17	3.4	10967.84	42.5
	1982	2	6.7	2280.00	17.8	0	0.0	0.00	0.0	2	1.9	2280.00	17.7
	1983	2	2.6	2220.00	11.7	0	0.0	0.00	0.0	2	0.5	2220.00	11.6
	1984	2	3.2	1438.00	6.5	0	0.0	0.00	0.0	2	0.7	1438.00	6.4
	1985	3	2.0	4390.00	27.7	0	0.0	0.00	0.0	3	0.2	4390.00	26.1
	1988	14	4.7	5597.50	33.8	1	0.4	36.02	3.8	15	2.6	5633.52	32.2
	TOTAL	62	4.8	49865.23	31.1	2	0.0	37.13	0.9	64	1.1	49902.36	30.3
SILVERJAW MINNOW	1977	0	0.0	0.00	0.0	1	0.1	0.38	0.1	1	0.1	0.38	0.0
	1978	0	0.0	0.00	0.0	3	0.6	0.73	0.2	3	0.4	0.73	0.0
	1979	0	0.0	0.00	0.0	3	0.5	1.02	0.2	3	0.4	1.02	0.0
	1983	0	0.0	0.00	0.0	1	0.3	0.43	0.2	1	0.2	0.43	0.0
	1986	1	0.6	0.57	0.0	0	0.0	0.00	0.0	1	0.4	0.57	0.0
	TOTAL	1	0.1	0.57	0.0	8	0.3	2.56	0.1	9	0.3	3.13	0.0
HORNYHEAD CHUB	1977	0	0.0	0.00	0.0	4	0.4	2.18	0.4	4	0.4	2.18	0.0
	1979	0	0.0	0.00	0.0	4	0.7	2.27	0.5	4	0.6	2.27	0.0
	1983	0	0.0	0.00	0.0	1	0.3	0.22	0.1	1	0.2	0.22	0.0
	1984	0	0.0	0.00	0.0	3	1.5	1.01	0.7	3	1.1	1.01	0.0
	1985	0	0.0	0.00	0.0	43	3.4	34.16	3.3	43	3.1	34.16	0.2
	1988	7	2.3	12.02	0.1	8	2.9	16.91	1.8	15	2.6	28.93	0.2
	TOTAL	7	0.9	12.02	0.0	63	1.7	56.75	1.7	70	1.6	68.77	0.1
PALLID CHUB	1978	0	0.0	0.00	0.0	1	0.2	0.42	0.1	1	0.1	0.42	0.0
	1979	0	0.0	0.00	0.0	5	0.8	1.82	0.4	5	0.7	1.82	0.0
	1981	0	0.0	0.00	0.0	1	0.4	0.23	0.0	1	0.2	0.23	0.0
	1984	0	0.0	0.00	0.0	1	0.5	0.31	0.2	1	0.4	0.31	0.0
	1985	0	0.0	0.00	0.0	11	0.9	5.26	0.5	11	0.8	5.26	0.0
	TOTAL	0	0.0	0.00	0.0	19	0.7	8.04	0.3	19	0.5	8.04	0.0
GOLDEN SHINER	1979	1	1.4	14.00	0.1	0	0.0	0.00	0.0	1	0.1	14.00	0.1
	1981	1	0.5	2.50	0.0	0	0.0	0.00	0.0	1	0.2	2.50	0.0
	1985	1	0.7	3.15	0.0	0	0.0	0.00	0.0	1	0.1	3.15	0.0
	TOTAL	3	0.7	19.65	0.0	0	0.0	0.00	0.0	3	0.1	19.65	0.0
EMERALD SHINER	1977	1	0.6	4.98	0.0	0	0.0	0.00	0.0	1	0.1	4.98	0.0
	1983	1	1.3	4.40	0.0	0	0.0	0.00	0.0	1	0.2	4.40	0.0
	1985	0	0.0	0.00	0.0	1	0.1	0.11	0.0	1	0.1	0.11	0.0
	TOTAL	2	0.5	9.38	0.0	1	0.0	0.11	0.0	3	0.1	9.49	0.0
STRIPED SHINER	1978	0	0.0	0.00	0.0	5	1.0	1.41	0.4	5	0.7	1.41	0.0
	1979	0	0.0	0.00	0.0	19	3.1	3.76	0.8	19	2.8	3.76	0.0
	1982	0	0.0	0.00	0.0	2	2.6	0.66	1.0	2	1.9	0.66	0.0
	1983	0	0.0	0.00	0.0	6	1.7	2.45	1.3	6	1.4	2.45	0.0
	1984	0	0.0	0.00	0.0	21	10.2	5.68	4.0	21	7.9	5.68	0.0
	1985	1	0.7	0.79	0.0	103	8.2	37.25	3.6	104	7.4	38.04	0.2
	1986	3	1.8	3.30	0.0	4	4.2	8.18	3.7	7	2.7	11.48	0.1
	1988	45	15.1	69.63	0.4	0	0.0	0.00	0.0	45	7.8	69.63	0.4
	TOTAL	49	4.5	73.72	0.1	160	4.8	59.39	1.7	209	4.7	133.11	0.1
RED SHINER	1981	0	0.0	0.00	0.0	1	0.4	2.21	0.4	1	0.2	2.21	0.0
	1985	0	0.0	0.00	0.0	2	0.2	1.73	0.2	2	0.1	1.73	0.0
	TOTAL	0	0.0	0.00	0.0	3	0.2	3.94	0.3	3	0.2	3.94	0.0
ROSYFACE SHINER	1977	1	0.6	3.62	0.0	37	3.9	15.93	2.6	38	3.4	19.55	0.1
	1978	0	0.0	0.00	0.0	1	0.2	0.65	0.2	1	0.1	0.65	0.0
	1979	0	0.0	0.00	0.0	24	3.9	9.10	1.8	24	3.5	9.10	0.1
	1981	1	0.5	0.87	0.0	0	0.0	0.00	0.0	1	0.2	0.87	0.0
	1982	0	0.0	0.00	0.0	2	2.6	0.50	0.8	2	1.9	0.50	0.0
	1985	0	0.0	0.00	0.0	31	2.5	5.64	0.6	31	2.2	5.64	0.0
	1987	0	0.0	0.00	0.0	2	0.6	0.34	0.1	2	0.4	0.34	0.0
	1988	4	1.3	2.84	0.0	0	0.0	0.00	0.0	4	0.7	2.84	0.0
	TOTAL	6	0.5	7.33	0.0	97	2.3	32.16	0.7	103	1.9	39.49	0.0

APPENDIX D-9 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	ELECTROFISHING %NO.	ELECTROFISHING WT(G)	ELECTROFISHING %WT	SEINING NO.	SEINING %NO.	SEINING WT(G)	SEINING %WT	TOTAL NO.	TOTAL %NO.	TOTAL WT(G)	TOTAL %WT
SPOTFIN SHINER	1977	8	5.0	24.96	0.1	110	11.7	65.11	10.6	118	10.7	90.07	0.4
	1978	6	2.6	23.50	0.2	13	2.6	24.96	7.4	19	2.6	48.46	0.4
	1979	2	2.8	13.48	0.1	320	52.2	221.17	44.5	322	47.0	234.65	1.5
	1981	7	3.2	16.85	0.1	14	5.0	5.23	1.0	21	4.2	22.08	0.1
	1982	1	3.3	5.99	0.0	10	13.0	23.97	36.8	11	10.3	29.96	0.2
	1983	8	10.4	24.27	0.1	25	7.2	16.24	8.5	33	7.8	40.51	0.2
	1984	6	9.7	16.91	0.1	57	27.8	32.58	23.2	63	23.6	49.49	0.2
	1985	3	2.0	15.05	0.1	448	35.8	114.26	11.2	451	32.1	129.31	0.8
	1986	8	4.8	14.47	0.1	1	1.0	0.90	0.4	9	3.4	15.37	0.1
	1987	8	7.5	14.69	0.3	109	30.1	26.80	7.0	117	25.0	41.49	0.7
	1988	16	5.4	38.44	0.2	6	2.2	5.47	0.6	22	3.8	43.91	0.3
	TOTAL	73	4.6	208.61	0.1	1113	22.5	536.69	10.8	1186	18.2	745.30	0.4
SAND SHINER	1977	1	0.6	1.97	0.0	56	5.9	19.18	3.1	57	5.2	21.15	0.1
	1978	0	0.0	0.00	0.0	184	37.0	55.12	16.3	184	25.3	55.12	0.4
	1979	0	0.0	0.00	0.0	99	16.2	43.38	8.7	99	14.5	43.38	0.3
	1981	0	0.0	0.00	0.0	40	14.3	23.20	4.2	40	8.1	23.20	0.1
	1982	0	0.0	0.00	0.0	15	19.5	5.67	8.7	15	14.0	5.67	0.0
	1983	2	2.6	3.02	0.0	114	33.0	70.01	36.6	116	27.5	73.03	0.4
	1984	1	1.6	1.05	0.0	55	26.8	21.28	15.2	56	21.0	22.33	0.1
	1985	0	0.0	0.00	0.0	182	14.5	55.11	5.4	182	13.0	55.11	0.3
	1986	1	0.6	0.16	0.0	0	0.0	0.00	0.0	1	0.4	0.16	0.0
	1987	8	7.5	6.55	0.1	95	26.2	61.77	16.1	103	22.0	68.32	1.2
	1988	3	1.0	3.96	0.0	0	0.0	0.00	0.0	3	0.5	3.96	0.0
	TOTAL	16	1.0	16.71	0.0	840	17.0	354.72	7.1	856	13.1	371.43	0.2
REDFIN SHINER	1977	0	0.0	0.00	0.0	4	0.4	0.63	0.1	4	0.4	0.63	0.0
	1978	1	0.4	1.86	0.0	0	0.0	0.00	0.0	1	0.1	1.86	0.0
	1986	0	0.0	0.00	0.0	2	2.1	1.61	0.7	2	0.8	1.61	0.0
	TOTAL	1	0.2	1.86	0.0	6	0.4	2.24	0.2	7	0.3	4.10	0.0
MIMIC SHINER	1977	0	0.0	0.00	0.0	5	0.5	0.78	0.1	5	0.5	0.78	0.0
	1981	0	0.0	0.00	0.0	4	1.4	1.39	0.3	4	0.8	1.39	0.0
	1988	2	0.7	3.93	0.0	0	0.0	0.00	0.0	2	0.3	3.93	0.0
	TOTAL	2	0.3	3.93	0.0	9	0.6	2.17	0.1	11	0.5	6.10	0.0
SUCKERMOUTH MINNOW	1978	1	0.4	0.29	0.0	6	1.2	3.14	0.9	7	1.0	3.43	0.0
	1979	0	0.0	0.00	0.0	17	2.8	5.96	1.2	17	2.5	5.96	0.0
	1981	0	0.0	0.00	0.0	13	4.7	2.54	0.5	13	2.6	2.54	0.0
	1982	0	0.0	0.00	0.0	6	7.8	2.19	3.4	6	5.6	2.19	0.0
	1983	0	0.0	0.00	0.0	30	8.7	13.54	7.1	30	7.1	13.54	0.1
	1984	0	0.0	0.00	0.0	8	3.9	2.71	1.9	8	3.0	2.71	0.0
	1985	0	0.0	0.00	0.0	10	0.8	6.90	0.7	10	0.7	6.90	0.0
	1986	3	1.8	2.38	0.0	4	4.2	1.17	0.5	7	2.7	3.55	0.0
	1987	1	0.9	0.69	0.0	9	2.5	7.04	1.8	10	2.1	7.73	0.1
	1988	1	0.3	1.36	0.0	0	0.0	0.00	0.0	1	0.2	1.36	0.0
	TOTAL	6	0.4	4.72	0.0	103	2.6	45.19	1.0	109	2.0	49.91	0.0
BLUNTNOSE MINNOW	1977	11	6.8	21.84	0.1	184	19.5	113.34	18.4	195	17.7	135.18	0.6
	1978	11	4.8	28.67	0.2	180	36.2	135.13	39.9	191	26.3	163.80	1.2
	1979	1	1.4	4.29	0.0	25	4.1	10.46	2.1	26	3.8	14.75	0.1
	1981	1	0.5	1.00	0.0	43	15.4	21.07	3.9	44	8.9	22.07	0.1
	1982	0	0.0	0.00	0.0	14	18.2	8.08	12.4	14	13.1	8.08	0.1
	1983	0	0.0	0.00	0.0	53	15.4	19.11	10.0	53	12.6	19.11	0.1
	1984	0	0.0	0.00	0.0	14	6.8	4.97	3.5	14	5.2	4.97	0.0
	1985	11	7.3	36.20	0.2	149	11.9	78.42	7.7	160	11.4	114.62	0.7
	1986	30	18.1	27.93	0.2	50	52.1	22.96	10.3	80	30.5	50.89	0.4
	1987	9	8.5	9.62	0.2	53	14.6	37.38	9.7	62	13.2	47.00	0.8
	1988	17	5.7	23.33	0.1	77	27.7	46.77	4.9	94	16.3	70.10	0.4
	TOTAL	91	5.8	152.88	0.1	842	17.0	497.69	10.0	933	14.3	650.57	0.4
FATHEAD MINNOW	1979	0	0.0	0.00	0.0	1	0.2	3.36	0.7	1	0.1	3.36	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.2	3.36	0.7	1	0.1	3.36	0.0
BULLHEAD MINNOW	1977	14	8.7	38.73	0.2	189	20.0	104.63	17.0	203	18.4	143.36	0.7
	1978	8	3.5	14.99	0.1	44	8.9	47.51	14.0	52	7.2	62.50	0.5
	1979	11	15.3	34.37	0.2	36	5.9	38.97	7.8	47	6.9	73.34	0.5
	1981	3	1.4	10.95	0.0	96	34.4	55.54	10.2	99	20.0	66.49	0.3
	1982	1	3.3	2.88	0.0	8	10.4	7.51	11.5	9	8.4	10.39	0.1
	1983	3	3.9	5.97	0.0	37	10.7	13.76	7.2	40	9.5	19.73	0.1
	1984	2	3.2	8.25	0.0	30	14.6	5.72	4.1	32	12.0	13.97	0.1
	1985	2	1.3	9.68	0.1	22	1.8	36.97	3.6	24	1.7	46.65	0.3
	1986	2	1.2	3.98	0.0	1	1.0	0.78	0.3	3	1.1	4.76	0.0
	1987	3	2.8	3.72	0.1	35	9.7	33.50	8.7	38	8.1	37.22	0.7
	1988	2	0.7	9.51	0.1	5	1.8	10.33	1.1	7	1.2	19.84	0.1
	TOTAL	51	3.2	143.03	0.1	503	10.2	355.22	7.1	554	8.5	498.25	0.3
CREEK CHUB	1983	0	0.0	0.00	0.0	11	3.2	4.38	2.3	11	2.6	4.38	0.0
	1985	0	0.0	0.00	0.0	6	0.5	4.08	0.4	6	0.4	4.08	0.0
	TOTAL	0	0.0	0.00	0.0	17	1.1	8.46	0.7	17	0.9	8.46	0.0
UNIDENTIFIED MINNOWS	1977	0	0.0	0.00	0.0	274	29.1	14.20	2.3	274	24.8	14.20	0.1
	1978	0	0.0	0.00	0.0	2	0.4	0.04	0.0	2	0.3	0.04	0.0
	1982	0	0.0	0.00	0.0	1	1.3	0.06	0.1	1	0.9	0.06	0.0
	1983	0	0.0	0.00	0.0	5	1.4	0.40	0.2	5	1.2	0.40	0.0
	1984	0	0.0	0.00	0.0	1	0.5	0.05	0.0	1	0.4	0.05	0.0
	TOTAL	0	0.0	0.00	0.0	283	13.7	14.75	1.1	283	10.8	14.75	0.0
QUILLBACK	1977	4	2.5	20.29	0.1	1	0.1	3.48	0.6	5	0.5	23.77	0.1
	1978	10	4.3	1994.00	15.4	0	0.0	0.00	0.0	10	1.4	1994.00	15.0
	1979	10	13.9	4667.00	30.0	0	0.0	0.00	0.0	10	1.5	4667.00	29.1
	1981	10	4.6	3685.00	14.6	0	0.0	0.00	0.0	10	2.0	3685.00	14.3
	1982	1	3.3	750.00	5.9	0	0.0	0.00	0.0	1	0.9	750.00	5.8
	1983	23	29.9	13247.00	70.0	0	0.0	0.00	0.0	23	5.5	13247.00	69.3
	1984	26	41.9	15476.00	69.6	0	0.0	0.00	0.0	26	9.7	15476.00	69.2
	1985	5	3.3	568.99	3.6	1	0.1	5.36	0.5	6	0.4	574.35	3.4
	1986	7	4.2	4069.00	32.4	0	0.0	0.00	0.0	7	2.7	4069.00	31.9
	1987	3	2.8	2020.00	38.5	0	0.0	0.00	0.0	3	0.6	2020.00	35.9
	1988	5	1.7	2760.00	16.7	0	0.0	0.00	0.0	5	0.9	2760.00	15.8
	TOTAL	104	6.6	49257.28	27.6	2	0.0	8.84	0.2	106	1.6	49266.12	26.9
NORTHERN HOGSUCKER	1983	1	1.3	435.00	2.3	0	0.0	0.00	0.0	1	0.2	435.00	2.3
	1984	1	1.6	600.00	2.7	0	0.0	0.00	0.0	1	0.4	600.00	2.7
	1985	1	0.7	3.86	0.0	0	0.0	0.00	0.0	1	0.1	3.86	0.0
	TOTAL	3	1.0	1038.86	1.8	0	0.0	0.00	0.0	3	0.1	1038.86	1.8
SMALLMOUTH BUFFALO	1981	1	0.5	345.00	1.4	0	0.0	0.00	0.0	1	0.2	345.00	1.3
	1988	2	0.7	16.73	0.1	0	0.0	0.00	0.0	2	0.3	16.73	0.1
	TOTAL	3	0.6	361.73	0.9	0	0.0	0.00	0.0	3	0.3	361.73	0.8

APPENDIX D-9 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	%NO.	WT(G)	%WT	SEINING NO.	%NO.	WT(G)	%WT	TOTAL NO.	%NO.	WT(G)	%WT
BIGMOUTH BUFFALO	1982	1	3.3	600.00	4.7	0	0.0	0.00	0.0	1	0.9	600.00	4.7
	1984	1	1.6	1140.00	5.1	0	0.0	0.00	0.0	1	0.4	1140.00	5.1
	TOTAL	2	2.2	1740.00	5.0	0	0.0	0.00	0.0	2	0.5	1740.00	4.9
SILVER REDHORSE	1977	1	0.6	705.00	3.5	0	0.0	0.00	0.0	1	0.1	705.00	3.4
	1978	1	0.4	910.00	7.0	0	0.0	0.00	0.0	1	0.1	910.00	6.9
	1979	0	0.0	0.00	0.0	1	0.2	2.60	0.5	1	0.1	2.60	0.0
	1981	1	0.5	150.00	0.6	1	0.4	24.39	4.5	2	0.4	174.39	0.7
	1982	6	20.0	3840.00	30.0	0	0.0	0.00	0.0	6	5.6	3840.00	29.9
	1984	3	4.8	1210.00	5.4	0	0.0	0.00	0.0	3	1.1	1210.00	5.4
	1985	3	2.0	2430.00	15.4	3	0.2	3.57	0.3	6	0.4	2433.57	14.4
	1986	2	1.2	95.00	0.8	0	0.0	0.00	0.0	2	0.8	95.00	0.7
	1988	6	2.0	72.42	0.4	0	0.0	0.00	0.0	6	1.0	72.42	0.4
	TOTAL	23	1.7	9412.42	6.1	5	0.1	30.56	0.7	28	0.5	9442.98	6.0
RIVER REDHORSE	1982	1	3.3	3178.00	24.9	0	0.0	0.00	0.0	1	0.9	3178.00	24.7
	TOTAL	1	3.3	3178.00	24.9	0	0.0	0.00	0.0	1	0.9	3178.00	24.7
GOLDEN REDHORSE	1977	3	1.9	140.00	0.7	0	0.0	0.00	0.0	3	0.3	140.00	0.7
	1978	3	1.3	25.27	0.2	0	0.0	0.00	0.0	3	0.4	25.27	0.2
	1979	8	11.1	959.00	6.2	1	0.2	30.00	6.0	9	1.3	989.00	6.2
	1981	3	1.4	840.00	3.3	0	0.0	0.00	0.0	3	0.6	840.00	3.3
	1982	1	3.3	470.00	3.7	0	0.0	0.00	0.0	1	0.9	470.00	3.7
	1983	1	1.3	405.00	2.1	0	0.0	0.00	0.0	1	0.2	405.00	2.1
	1984	2	3.2	725.00	3.3	0	0.0	0.00	0.0	2	0.7	725.00	3.2
	1985	8	5.3	2149.05	13.6	58	4.6	54.57	5.3	66	4.7	2203.62	13.1
	1986	7	4.2	1837.05	14.6	0	0.0	0.00	0.0	7	2.7	1837.05	14.4
	1987	5	4.7	568.34	10.8	13	3.6	13.64	3.6	18	3.8	581.98	10.3
	1988	3	1.0	947.00	5.7	0	0.0	0.00	0.0	3	0.5	947.00	5.4
	TOTAL	44	2.8	9065.71	5.1	72	1.5	98.21	2.0	116	1.8	9163.92	5.0
SHORTHEAD REDHORSE	1977	4	2.5	336.00	1.6	0	0.0	0.00	0.0	4	0.4	336.00	1.6
	1981	6	2.8	2215.00	8.8	0	0.0	0.00	0.0	6	1.2	2215.00	8.6
	1982	1	3.3	440.00	3.4	0	0.0	0.00	0.0	1	0.9	440.00	3.4
	1985	1	0.7	2.34	0.0	4	0.3	6.30	0.6	5	0.4	8.64	0.1
	1988	6	2.0	22.15	0.1	0	0.0	0.00	0.0	6	1.0	22.15	0.1
	TOTAL	18	2.1	3015.49	3.3	4	0.1	6.30	0.2	22	0.6	3021.79	3.2
UNIDENTIFIED REDHORSE	1977	3	1.9	10.67	0.1	0	0.0	0.00	0.0	3	0.3	10.67	0.1
	1978	1	0.4	1.25	0.0	29	5.8	17.65	5.2	30	4.1	18.90	0.1
	1979	0	0.0	0.00	0.0	6	1.0	3.56	0.7	6	0.9	3.56	0.0
	1981	0	0.0	0.00	0.0	6	2.2	1.83	0.3	6	1.2	1.83	0.0
	1983	0	0.0	0.00	0.0	10	2.9	4.96	2.6	10	2.4	4.96	0.0
	TOTAL	4	0.5	11.92	0.0	51	1.9	28.00	1.3	55	1.6	39.92	0.0
YELLOW BULLHEAD	1988	0	0.0	0.00	0.0	1	0.4	8.72	0.9	1	0.2	8.72	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.4	8.72	0.9	1	0.2	8.72	0.0
CHANNEL CATFISH	1977	3	1.9	1684.00	8.3	0	0.0	0.00	0.0	3	0.3	1684.00	8.0
	1979	2	2.8	4158.00	26.7	0	0.0	0.00	0.0	2	0.3	4158.00	25.9
	1986	0	0.0	0.00	0.0	1	1.0	0.15	0.1	1	0.4	0.15	0.0
	1987	0	0.0	0.00	0.0	3	0.8	3.43	0.9	3	0.6	3.43	0.1
	TOTAL	5	1.0	5842.00	10.9	4	0.2	3.58	0.2	9	0.4	5845.58	10.5
STONECAT	1985	1	0.7	28.00	0.2	0	0.0	0.00	0.0	1	0.1	28.00	0.2
	1987	1	0.9	20.00	0.4	0	0.0	0.00	0.0	1	0.2	20.00	0.4
	1988	1	0.3	28.00	0.2	0	0.0	0.00	0.0	1	0.2	28.00	0.2
	TOTAL	3	0.5	76.00	0.2	0	0.0	0.00	0.0	3	0.1	76.00	0.2
BLACKSTRIPE TOPMINNOW	1977	0	0.0	0.00	0.0	3	0.3	0.84	0.1	3	0.3	0.84	0.0
	1978	0	0.0	0.00	0.0	1	0.2	0.23	0.1	1	0.1	0.23	0.0
	1981	0	0.0	0.00	0.0	1	0.4	0.24	0.0	1	0.2	0.24	0.0
	1985	0	0.0	0.00	0.0	21	1.7	12.38	1.2	21	1.5	12.38	0.1
	1987	0	0.0	0.00	0.0	2	0.6	1.51	0.4	2	0.4	1.51	0.0
	1988	1	0.3	1.14	0.0	11	4.0	2.64	0.3	12	2.1	3.78	0.0
	TOTAL	1	0.1	1.14	0.0	39	1.1	17.84	0.5	40	0.8	18.98	0.0
BROOK SILVERSIDE	1977	0	0.0	0.00	0.0	2	0.2	0.76	0.1	2	0.2	0.76	0.0
	1985	0	0.0	0.00	0.0	23	1.8	4.94	0.5	23	1.6	4.94	0.0
	1986	4	2.4	8.07	0.1	0	0.0	0.00	0.0	4	1.5	8.07	0.1
	1987	0	0.0	0.00	0.0	1	0.3	0.49	0.1	1	0.2	0.49	0.0
	1988	1	0.3	1.46	0.0	0	0.0	0.00	0.0	1	0.2	1.46	0.0
	TOTAL	5	0.6	9.53	0.0	26	0.9	6.19	0.2	31	0.8	15.72	0.0
YELLOW BASS	1978	1	0.4	16.00	0.1	0	0.0	0.00	0.0	1	0.1	16.00	0.1
	TOTAL	1	0.4	16.00	0.1	0	0.0	0.00	0.0	1	0.1	16.00	0.1
ROCK BASS	1977	15	9.3	1439.00	7.1	4	0.4	92.14	15.0	19	1.7	1531.14	7.3
	1978	1	0.4	102.00	0.8	0	0.0	0.00	0.0	1	0.1	102.00	0.8
	1979	6	8.3	583.00	3.7	0	0.0	0.00	0.0	6	0.9	583.00	3.6
	1981	8	3.7	780.00	3.1	1	0.4	0.16	0.0	9	1.8	780.16	3.0
	1983	2	2.6	208.00	1.1	0	0.0	0.00	0.0	2	0.5	208.00	1.1
	1984	1	1.6	205.00	0.9	1	0.5	0.05	0.0	2	0.7	205.05	0.9
	1985	3	2.0	48.75	0.3	10	0.8	34.17	3.3	13	0.9	82.92	0.5
	1986	2	1.2	43.59	0.3	0	0.0	0.00	0.0	2	0.8	43.59	0.3
	1987	2	1.9	90.00	1.7	0	0.0	0.00	0.0	2	0.4	90.00	1.6
	1988	12	4.0	859.57	5.2	49	17.6	327.21	34.5	61	10.6	1186.78	6.8
	TOTAL	52	3.4	4358.91	2.6	65	1.3	453.73	9.2	117	1.8	4812.64	2.8
GREEN SUNFISH	1977	7	4.3	166.21	0.8	2	0.2	0.82	0.1	9	0.8	167.03	0.8
	1978	2	0.9	18.00	0.1	0	0.0	0.00	0.0	2	0.3	18.00	0.1
	1979	4	5.6	60.00	0.4	0	0.0	0.00	0.0	4	0.6	60.00	0.4
	1981	16	7.4	301.00	1.2	0	0.0	0.00	0.0	16	3.2	301.00	1.2
	1984	2	3.2	35.10	0.2	1	0.5	53.00	37.8	3	1.1	88.10	0.4
	1985	9	6.0	465.03	2.9	0	0.0	0.00	0.0	9	0.6	465.03	2.8
	1986	3	1.8	106.21	0.8	0	0.0	0.00	0.0	3	1.1	106.21	0.8
	1987	0	0.0	0.00	0.0	1	0.3	4.25	1.1	1	0.2	4.25	0.1
	1988	5	1.7	184.00	1.1	3	1.1	40.86	4.3	8	1.4	224.86	1.3
	TOTAL	48	3.3	1335.55	0.9	7	0.2	98.93	2.1	55	0.9	1434.48	0.9
PUMPKINSEED	1986	1	0.6	52.00	0.4	0	0.0	0.00	0.0	1	0.4	52.00	0.4
	TOTAL	1	0.6	52.00	0.4	0	0.0	0.00	0.0	1	0.4	52.00	0.4
ORANGESPOTTED SUNFISH	1977	2	1.2	14.88	0.1	15	1.6	5.37	0.9	17	1.5	20.25	0.1
	1978	3	1.3	24.00	0.2	0	0.0	0.00	0.0	3	0.4	24.00	0.2
	1979	5	6.9	36.00	0.2	1	0.2	18.00	3.6	6	0.9	54.00	0.3
	1981	23	10.6	168.06	0.7	16	5.7	58.07	10.6	39	7.9	226.13	0.9
	1984	1	1.6	12.00	0.1	0	0.0	0.00	0.0	1	0.4	12.00	0.1
	1985	9	6.0	95.31	0.6	4	0.3	22.57	2.2	13	0.9	117.88	0.7
	1986	3	1.8	35.03	0.3	15	15.6	71.81	32.2	18	6.9	106.84	0.8
	1987	1	0.9	14.00	0.3	4	1.1	23.34	6.1	5	1.1	37.34	0.7
	1988	21	7.0	217.66	1.3	18	6.5	72.64	7.7	39	6.8	290.30	1.7
	TOTAL	68	4.6	616.94	0.4	73	1.6	271.80	5.8	141	2.4	888.74	0.6

APPENDIX D-9 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION SR OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING				SEINING				TOTAL			
		NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT
BLUEGILL	1977	2	1.2	128.12	0.6	4	0.4	1.77	0.3	6	0.5	129.89	0.6
	1978	8	3.5	85.00	0.7	0	0.0	0.00	0.0	8	1.1	85.00	0.6
	1981	6	2.8	176.00	0.7	0	0.0	0.00	0.0	6	1.2	176.00	0.7
	1982	1	3.3	24.00	0.2	0	0.0	0.00	0.0	1	0.9	24.00	0.2
	1983	7	9.1	317.00	1.7	1	0.3	21.48	11.2	8	1.9	338.48	1.8
	1985	2	1.3	91.00	0.6	7	0.6	0.94	0.1	9	0.6	91.94	0.5
	1986	14	8.4	244.63	1.9	2	2.1	4.47	2.0	16	6.1	249.10	2.0
	1987	3	2.8	48.00	0.9	2	0.6	1.48	0.4	5	1.1	49.48	0.9
	1988	1	0.3	48.00	0.3	0	0.0	0.00	0.0	1	0.2	48.00	0.3
	TOTAL	44	3.1	1161.75	0.8	16	0.4	30.14	0.7	60	1.1	1191.89	0.8
CENTRAL LONGEAR SUNFISH	1977	3	1.9	58.00	0.3	1	0.1	10.68	1.7	4	0.4	68.68	0.3
	TOTAL	3	1.9	58.00	0.3	1	0.1	10.68	1.7	4	0.4	68.68	0.3
NORTHERN LONGEAR SUNFISH	1977	4	2.5	40.01	0.2	3	0.3	17.57	2.9	7	0.6	57.58	0.3
	TOTAL	4	2.5	40.01	0.2	3	0.3	17.57	2.9	7	0.6	57.58	0.3
LONGEAR SUNFISH	1977	11	6.8	124.72	0.6	13	1.4	5.05	0.8	24	2.2	129.77	0.6
	1978	19	8.3	280.00	2.2	3	0.6	9.97	2.9	22	3.0	289.97	2.2
	1981	8	3.7	88.68	0.4	11	3.9	20.26	3.7	19	3.8	108.94	0.4
	1983	1	1.3	23.00	0.1	0	0.0	0.00	0.0	1	0.2	23.00	0.1
	1984	1	1.6	4.11	0.0	0	0.0	0.00	0.0	1	0.4	4.11	0.0
	1985	21	13.9	227.57	1.4	36	2.9	150.01	14.7	57	4.1	377.58	2.2
	1986	24	14.5	316.23	2.5	12	12.5	95.37	42.7	36	13.7	411.60	3.2
	1987	33	31.1	438.46	8.4	15	4.1	74.74	19.5	48	10.3	513.20	9.1
	1988	27	9.0	312.62	1.9	48	17.3	149.86	15.8	75	13.0	462.48	2.6
	TOTAL	145	9.9	1815.39	1.2	138	3.2	505.26	11.5	283	4.9	2320.65	1.5
GREEN SUNFISH X BLUEGILL	1977	1	0.6	68.00	0.3	0	0.0	0.00	0.0	1	0.1	68.00	0.3
	1983	1	1.3	38.00	0.2	0	0.0	0.00	0.0	1	0.2	38.00	0.2
	TOTAL	2	0.8	106.00	0.3	0	0.0	0.00	0.0	2	0.1	106.00	0.3
GREEN X LONGEAR SUNFISH	1981	1	0.5	5.00	0.0	0	0.0	0.00	0.0	1	0.2	5.00	0.0
	1985	1	0.7	46.00	0.3	0	0.0	0.00	0.0	1	0.1	46.00	0.3
	1988	1	0.3	64.00	0.4	0	0.0	0.00	0.0	1	0.2	64.00	0.4
	TOTAL	3	0.5	115.00	0.2	0	0.0	0.00	0.0	3	0.1	115.00	0.2
GREEN SUNFISH HYBRID	1981	2	0.9	5.00	0.0	0	0.0	0.00	0.0	2	0.4	5.00	0.0
	TOTAL	2	0.9	5.00	0.0	0	0.0	0.00	0.0	2	0.4	5.00	0.0
UNIDENTIFIED SUNFISH	1977	0	0.0	0.00	0.0	3	0.3	0.07	0.0	3	0.3	0.07	0.0
	1981	0	0.0	0.00	0.0	1	0.4	0.17	0.0	1	0.2	0.17	0.0
	1982	0	0.0	0.00	0.0	1	1.3	0.17	0.3	1	0.9	0.17	0.0
	1983	0	0.0	0.00	0.0	27	7.8	3.01	1.6	27	6.4	3.01	0.0
	TOTAL	0	0.0	0.00	0.0	32	1.9	3.42	0.2	32	1.5	3.42	0.0
SMALLMOUTH BASS	1977	15	9.3	3259.16	16.0	2	0.2	63.51	10.3	17	1.5	3322.67	15.8
	1978	6	2.6	87.84	0.7	0	0.0	0.00	0.0	6	0.8	87.84	0.7
	1979	4	5.6	443.31	2.9	5	0.8	14.99	3.0	9	1.3	458.30	2.9
	1981	5	2.3	90.00	0.4	7	2.5	48.55	8.9	12	2.4	138.55	0.5
	1982	0	0.0	0.00	0.0	2	2.6	5.09	7.8	2	1.9	5.09	0.0
	1983	8	10.4	826.00	4.4	0	0.0	0.00	0.0	8	1.9	826.00	4.3
	1984	9	14.5	612.84	2.8	0	0.0	0.00	0.0	9	3.4	612.84	2.7
	1985	36	23.8	3857.74	24.4	10	0.8	234.03	22.9	46	3.3	4091.77	24.3
	1986	10	6.0	387.00	3.1	0	0.0	0.00	0.0	10	3.8	387.00	3.0
	1987	3	2.8	209.00	4.0	0	0.0	0.00	0.0	3	0.6	209.00	3.7
	1988	37	12.4	2020.70	12.2	22	7.9	129.06	13.6	59	10.2	2149.76	12.3
	TOTAL	133	8.5	11793.59	6.6	48	1.0	495.23	10.0	181	2.8	12288.82	6.7
LARGEMOUTH BASS	1977	7	4.3	143.74	0.7	1	0.1	23.71	3.9	8	0.7	167.45	0.8
	1978	23	10.0	194.43	1.5	7	1.4	25.04	7.4	30	4.1	219.47	1.7
	1979	1	1.4	96.00	0.6	0	0.0	0.00	0.0	1	0.1	96.00	0.6
	1981	9	4.2	1262.00	5.0	2	0.7	173.00	31.7	11	2.2	1435.00	5.6
	1983	5	6.5	238.00	1.3	2	0.6	12.57	6.6	7	1.7	250.57	1.3
	1984	2	3.2	6.91	0.0	0	0.0	0.00	0.0	2	0.7	6.91	0.0
	1985	13	8.6	433.09	2.7	11	0.9	65.15	6.4	24	1.7	498.24	3.0
	1986	3	1.8	99.63	0.8	1	1.0	4.67	2.1	4	1.5	104.30	0.8
	1987	5	4.7	28.61	0.5	6	1.7	56.97	14.8	11	2.4	85.58	1.5
	1988	7	2.3	550.00	3.3	5	1.8	87.51	9.2	12	2.1	637.51	3.6
	TOTAL	75	4.9	3052.41	1.8	35	0.7	448.62	9.1	110	1.7	3501.03	2.1
WHITE CRAPPIE	1977	1	0.6	0.32	0.0	2	0.2	2.44	0.4	3	0.3	2.76	0.0
	1979	4	5.6	242.00	1.6	3	0.5	73.50	14.8	7	1.0	315.50	2.0
	1981	22	10.2	1435.00	5.7	3	1.1	38.72	7.1	25	5.1	1473.72	5.7
	1982	1	3.3	200.00	1.6	1	1.3	0.55	0.8	2	1.9	200.55	1.6
	1983	2	2.6	265.00	1.4	0	0.0	0.00	0.0	2	0.5	265.00	1.4
	TOTAL	30	5.4	2142.32	2.3	9	0.4	115.21	6.0	39	1.4	2257.53	2.4
BLACK CRAPPIE	1977	10	6.2	464.86	2.3	8	0.8	24.54	4.0	18	1.6	489.40	2.3
	1981	1	0.5	10.00	0.0	7	2.5	17.42	3.2	8	1.6	27.42	0.1
	1987	0	0.0	0.00	0.0	1	0.3	30.82	8.0	1	0.2	30.82	0.5
	1988	0	0.0	0.00	0.0	1	0.4	4.57	0.5	1	0.2	4.57	0.0
	TOTAL	11	1.4	474.86	0.7	17	0.9	77.35	3.1	28	1.1	552.21	0.8
RAINBOW DARTER	1977	0	0.0	0.00	0.0	1	0.1	0.43	0.1	1	0.1	0.43	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.1	0.43	0.1	1	0.1	0.43	0.0
JOHNNY DARTER	1977	0	0.0	0.00	0.0	8	0.8	5.75	0.9	8	0.7	5.75	0.0
	1978	1	0.4	0.42	0.0	14	2.8	6.02	1.8	15	2.1	6.44	0.0
	1979	0	0.0	0.00	0.0	36	5.9	9.64	1.9	36	5.3	9.64	0.1
	1982	0	0.0	0.00	0.0	11	14.3	3.58	5.5	11	10.3	3.58	0.0
	1983	0	0.0	0.00	0.0	18	5.2	5.49	2.9	18	4.3	5.49	0.0
	1984	0	0.0	0.00	0.0	12	5.9	4.92	3.5	12	4.5	4.92	0.0
	1985	1	0.7	0.80	0.0	35	2.8	21.67	2.1	36	2.6	22.47	0.1
	1986	1	0.6	0.23	0.0	1	1.0	0.40	0.2	2	0.8	0.63	0.0
	1987	0	0.0	0.00	0.0	10	2.8	4.57	1.2	10	2.1	4.57	0.1
	1988	2	0.7	0.72	0.0	21	7.6	6.47	0.7	23	4.0	7.19	0.0
	TOTAL	5	0.4	2.17	0.0	166	3.6	68.51	1.5	171	2.8	70.68	0.0
YELLOW PERCH	1978	3	1.3	87.00	0.7	0	0.0	0.00	0.0	3	0.4	87.00	0.7
	1985	0	0.0	0.00	0.0	1	0.1	1.84	0.2	1	0.1	1.84	0.0
	TOTAL	3	0.8	87.00	0.3	1	0.1	1.84	0.1	4	0.2	88.84	0.3
LOG PERCH	1987	1	0.9	1.52	0.0	0	0.0	0.00	0.0	1	0.2	1.52	0.0
	1988	5	1.7	20.93	0.1	0	0.0	0.00	0.0	5	0.9	20.93	0.1
	TOTAL	6	1.5	22.45	0.1	0	0.0	0.00	0.0	6	0.6	22.45	0.1

APPENDIX D-9 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING				SEINING				TOTAL			
		NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT
BLACKSIDE DARTER	1977	0	0.0	0.00	0.0	1	0.1	2.14	0.3	1	0.1	2.14	0.0
	1978	0	0.0	0.00	0.0	3	0.6	2.82	0.8	3	0.4	2.82	0.0
	1979	0	0.0	0.00	0.0	6	1.0	3.24	0.7	6	0.9	3.24	0.0
	1982	0	0.0	0.00	0.0	3	3.9	2.36	3.6	3	2.8	2.36	0.0
	1983	0	0.0	0.00	0.0	4	1.2	3.22	1.7	4	0.9	3.22	0.0
	1985	0	0.0	0.00	0.0	17	1.4	24.04	2.4	17	1.2	24.04	0.1
	1988	0	0.0	0.00	0.0	2	0.7	3.70	0.4	2	0.3	3.70	0.0
	TOTAL	0	0.0	0.00	0.0	36	0.9	41.52	1.1	36	0.7	41.52	0.0
SLENDERHEAD DARTER	1977	0	0.0	0.00	0.0	3	0.3	2.39	0.4	3	0.3	2.39	0.0
	1979	0	0.0	0.00	0.0	1	0.2	0.39	0.1	1	0.1	0.39	0.0
	1985	0	0.0	0.00	0.0	3	0.2	0.98	0.1	3	0.2	0.98	0.0
	TOTAL	0	0.0	0.00	0.0	7	0.2	3.76	0.2	7	0.2	3.76	0.0

APPENDIX D-10. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	ELECTROFISHING %NO.	ELECTROFISHING WT(G)	ELECTROFISHING %WT	SEINING NO.	SEINING %NO.	SEINING WT(G)	SEINING %WT	TOTAL NO.	TOTAL %NO.	TOTAL WT(G)	TOTAL %WT
LONGNOSE GAR	1977	1	0.4	90.00	0.2	0	0.0	0.00	0.0	1	0.2	90.00	0.2
	1978	1	0.5	190.00	1.1	0	0.0	0.00	0.0	1	0.3	190.00	1.1
	1986	0	0.0	0.00	0.0	1	1.3	0.54	0.1	1	0.3	0.54	0.0
	1988	3	0.5	143.00	0.3	0	0.0	0.00	0.0	3	0.5	143.00	0.3
	TOTAL	5	0.3	423.00	0.3	1	0.2	0.54	0.1	6	0.3	423.54	0.3
BOWFIN	1978	1	0.3	66.00	0.4	0	0.0	0.00	0.0	1	0.3	66.00	0.4
	TOTAL	1	0.3	66.00	0.4	0	0.0	0.00	0.0	1	0.3	66.00	0.4
GIZZARD SHAD	1977	1	0.4	5.23	0.0	2	0.7	0.93	0.2	3	0.5	6.16	0.0
	1978	54	14.4	431.66	2.5	0	0.0	0.00	0.0	54	14.0	431.66	2.5
	1981	5	1.6	22.00	0.0	0	0.0	0.00	0.0	5	1.5	22.00	0.0
	1982	7	7.2	637.75	2.6	0	0.0	0.00	0.0	7	4.0	637.75	2.5
	1983	1	0.9	240.00	0.8	0	0.0	0.00	0.0	1	0.3	240.00	0.8
	1984	1	0.8	198.00	0.5	0	0.0	0.00	0.0	1	0.4	198.00	0.5
	1985	1	0.4	4.80	0.0	0	0.0	0.00	0.0	1	0.2	4.80	0.0
	1986	2	0.7	255.00	1.0	0	0.0	0.00	0.0	2	0.6	255.00	0.9
	1987	8	3.7	576.58	1.9	0	0.0	0.00	0.0	8	2.7	576.58	1.9
	1988	159	28.9	4659.33	11.3	0	0.0	0.00	0.0	159	26.6	4659.33	11.2
	TOTAL	239	9.2	7030.35	1.8	2	0.1	0.93	0.1	241	6.0	7031.28	1.8
CRASS PICKEREL	1978	6	1.6	106.00	0.6	0	0.0	0.00	0.0	6	1.6	106.00	0.6
	1981	0	0.0	0.00	0.0	1	4.3	2.04	0.6	1	0.3	2.04	0.0
	1985	1	0.4	62.00	0.1	0	0.0	0.00	0.0	1	0.2	62.00	0.1
	1986	0	0.0	0.00	0.0	3	3.9	60.19	13.2	3	0.8	60.19	0.2
	1987	0	0.0	0.00	0.0	1	1.3	5.08	11.4	1	0.3	5.08	0.0
	TOTAL	7	0.5	168.00	0.1	5	0.9	67.31	7.2	12	0.6	235.31	0.1
NORTHERN PIKE	1978	1	0.3	37.00	0.2	0	0.0	0.00	0.0	1	0.3	37.00	0.2
	1981	1	0.3	525.00	0.7	0	0.0	0.00	0.0	1	0.3	525.00	0.7
	1982	1	1.0	30.00	0.1	0	0.0	0.00	0.0	1	0.6	30.00	0.1
	1984	1	0.8	49.00	0.1	0	0.0	0.00	0.0	1	0.4	49.00	0.1
	1987	1	0.5	950.00	3.2	0	0.0	0.00	0.0	1	0.3	950.00	3.2
	TOTAL	5	0.4	1591.00	0.8	0	0.0	0.00	0.0	5	0.3	1591.00	0.8
CARP	1977	10	3.8	11285.50	21.9	0	0.0	0.00	0.0	10	1.8	11285.50	21.8
	1978	3	0.8	3515.00	20.5	0	0.0	0.00	0.0	3	0.8	3515.00	20.5
	1979	6	2.2	6560.00	21.8	0	0.0	0.00	0.0	6	1.7	6560.00	21.6
	1981	12	3.9	8819.00	11.5	0	0.0	0.00	0.0	12	3.7	8819.00	11.5
	1982	3	3.1	2140.00	8.6	0	0.0	0.00	0.0	3	1.7	2140.00	8.5
	1984	1	0.8	1100.00	2.7	0	0.0	0.00	0.0	1	0.4	1100.00	2.7
	1988	7	1.3	638.00	1.5	0	0.0	0.00	0.0	7	1.2	638.00	1.5
	TOTAL	42	2.1	34057.50	12.1	0	0.0	0.00	0.0	42	1.6	34057.50	12.0
HORNYHEAD CHUB	1977	0	0.0	0.00	0.0	1	0.3	0.16	0.0	1	0.2	0.16	0.0
	1978	0	0.0	0.00	0.0	1	9.1	0.25	5.0	1	0.3	0.25	0.0
	1979	0	0.0	0.00	0.0	3	4.1	1.24	0.3	3	0.9	1.24	0.0
	1988	0	0.0	0.00	0.0	1	2.1	2.27	1.6	1	0.2	2.27	0.0
	TOTAL	0	0.0	0.00	0.0	6	1.4	3.92	0.4	6	0.3	3.92	0.0
EMERALD SHINER	1977	2	0.8	12.19	0.0	0	0.0	0.00	0.0	2	0.4	12.19	0.0
	1985	0	0.0	0.00	0.0	5	1.3	0.35	0.4	5	0.8	0.35	0.0
	TOTAL	2	0.4	12.19	0.0	5	0.7	0.35	0.1	7	0.6	12.54	0.0
STRIPED SHINER	1977	0	0.0	0.00	0.0	2	0.7	1.84	0.5	2	0.4	1.84	0.0
	1978	3	0.8	17.35	0.1	6	54.5	1.45	28.9	9	2.3	18.80	0.1
	1979	0	0.0	0.00	0.0	13	17.6	2.79	0.8	13	3.8	2.79	0.0
	1981	0	0.0	0.00	0.0	1	4.3	0.27	0.1	1	0.3	0.27	0.0
	1982	1	1.0	7.07	0.0	43	56.6	39.44	66.8	44	25.4	46.51	0.2
	1983	0	0.0	0.00	0.0	248	90.5	76.30	90.5	248	64.4	76.30	0.2
	1984	0	0.0	0.00	0.0	111	86.0	24.50	81.7	111	42.7	24.50	0.1
	1985	3	1.1	17.79	0.0	137	35.5	49.92	53.3	140	21.3	67.71	0.1
	1986	1	0.4	5.20	0.0	23	29.9	5.68	1.2	24	6.8	10.88	0.0
	1987	8	3.7	4.60	0.0	28	35.4	8.10	18.2	36	12.2	12.70	0.0
	1988	12	2.2	42.22	0.1	8	17.0	16.48	11.5	20	3.3	58.70	0.1
	TOTAL	28	1.0	94.23	0.0	620	41.8	226.77	11.4	648	14.9	321.00	0.1
ROSYFACE SHINER	1977	1	0.4	6.09	0.0	14	4.6	6.39	1.7	15	2.6	12.48	0.0
	1979	0	0.0	0.00	0.0	19	25.7	6.33	1.7	19	5.5	6.33	0.0
	1982	0	0.0	0.00	0.0	30	39.5	12.06	20.4	30	17.3	12.06	0.0
	1983	1	0.9	0.78	0.0	3	1.1	0.17	0.2	4	1.0	0.95	0.0
	1984	0	0.0	0.00	0.0	1	0.8	0.22	0.7	1	0.4	0.22	0.0
	1985	2	0.7	0.70	0.0	23	6.0	3.00	3.2	25	3.8	3.70	0.0
	1987	5	2.3	5.83	0.0	1	1.3	0.03	0.1	6	2.0	5.86	0.0
	1988	28	5.1	21.51	0.1	0	0.0	0.00	0.0	28	4.7	21.51	0.1
	TOTAL	37	1.9	34.91	0.0	91	6.6	28.20	2.3	128	3.9	63.11	0.0
SPOTFIN SHINER	1977	11	4.2	47.53	0.1	110	35.8	97.21	25.5	121	21.3	144.74	0.3
	1978	5	1.3	17.12	0.1	1	9.1	1.28	25.5	6	1.6	18.40	0.1
	1979	1	0.4	1.97	0.0	8	10.8	8.78	2.4	9	2.6	10.75	0.0
	1981	1	0.3	3.50	0.0	11	47.8	14.13	4.3	12	3.7	17.63	0.0
	1982	2	2.1	7.76	0.0	1	1.3	4.00	6.8	3	1.7	11.76	0.0
	1983	9	8.1	30.34	0.1	4	1.5	1.85	2.2	13	3.4	32.19	0.1
	1984	0	0.0	0.00	0.0	8	6.2	4.63	15.4	8	3.1	4.63	0.0
	1985	22	8.1	86.36	0.2	7	1.8	0.55	0.6	29	4.4	86.91	0.2
	1987	22	10.2	31.36	0.1	31	39.2	11.15	25.1	53	18.0	42.51	0.1
	1988	5	0.9	16.00	0.0	0	0.0	0.00	0.0	5	0.8	16.00	0.0
	TOTAL	78	3.0	241.94	0.1	181	12.9	143.58	9.3	259	6.5	385.52	0.1
SAND SHINER	1977	0	0.0	0.00	0.0	21	6.8	2.68	0.7	21	3.7	2.68	0.0
	1979	0	0.0	0.00	0.0	1	1.4	0.22	0.1	1	0.3	0.22	0.0
	1986	4	1.4	3.56	0.0	0	0.0	0.00	0.0	4	1.1	3.56	0.0
	TOTAL	4	0.5	3.56	0.0	22	4.8	2.90	0.2	26	2.1	6.46	0.0
REDFIN SHINER	1977	0	0.0	0.00	0.0	8	2.6	1.19	0.3	8	1.4	1.19	0.0
	1987	1	0.5	0.86	0.0	0	0.0	0.00	0.0	1	0.3	0.86	0.0
	1988	2	0.4	0.53	0.0	0	0.0	0.00	0.0	2	0.3	0.53	0.0
	TOTAL	3	0.3	1.39	0.0	8	1.8	1.19	0.2	11	0.8	2.58	0.0
MIMIC SHINER	1986	1	0.4	0.54	0.0	0	0.0	0.00	0.0	1	0.3	0.54	0.0
	1987	7	3.3	6.53	0.0	3	3.8	2.17	4.9	10	3.4	8.70	0.0
	TOTAL	8	1.6	7.07	0.0	3	1.9	2.17	0.4	11	1.7	9.24	0.0
SUCKERMOUTH MINNOW	1979	1	0.4	0.65	0.0	0	0.0	0.00	0.0	1	0.3	0.65	0.0
	TOTAL	1	0.4	0.65	0.0	0	0.0	0.00	0.0	1	0.3	0.65	0.0
BLUNTNOSE MINNOW	1977	3	1.2	11.33	0.0	27	8.8	21.25	5.6	30	5.3	32.58	0.1
	1978	31	8.3	62.76	0.4	2	18.2	1.55	30.9	33	8.5	64.31	0.4
	1979	6	2.2	26.32	0.1	17	23.0	14.31	3.9	23	6.6	40.63	0.1
	1981	1	0.3	2.90	0.0	2	8.7	1.53	0.5	3	0.9	4.43	0.0
	1982	1	1.0	4.50	0.0	1	1.3	2.46	4.2	2	1.2	6.96	0.0
	1985	4	1.5	9.62	0.0	5	1.3	1.66	1.8	9	1.4	11.28	0.0
	1986	11	4.0	19.11	0.1	11	14.3	10.34	2.3	22	6.2	29.45	0.1
	1987	2	0.9	2.64	0.0	6	7.6	6.87	15.4	8	2.7	9.51	0.0
	1988	23	4.2	55.65	0.1	2	4.3	6.13	4.3	25	4.2	61.78	0.1
	TOTAL	82	3.1	194.83	0.1	73	6.8	66.10	3.5	155	4.2	260.93	0.1

APPENDIX D-10 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	ELECTROFISHING %NO.	ELECTROFISHING WT(G)	ELECTROFISHING %WT	SEINING NO.	SEINING %NO.	SEINING WT(G)	SEINING %WT	TOTAL NO.	TOTAL %NO.	TOTAL WT(G)	TOTAL %WT
FATHEAD MINNOW	1981	1	0.3	3.80	0.0	0	0.0	0.00	0.0	1	0.3	3.80	0.0
	TOTAL	1	0.3	3.80	0.0	0	0.0	0.00	0.0	1	0.3	3.80	0.0
BULLHEAD MINNOW	1977	1	0.4	2.52	0.0	24	7.8	9.80	2.6	25	4.4	12.32	0.0
	1978	1	0.3	1.88	0.0	0	0.0	0.00	0.0	1	0.3	1.88	0.0
	1979	1	0.4	3.25	0.0	0	0.0	0.00	0.0	1	0.3	3.25	0.0
	1983	1	0.9	2.91	0.0	0	0.0	0.00	0.0	1	0.3	2.91	0.0
	1985	4	1.5	11.97	0.0	0	0.0	0.00	0.0	4	0.6	11.97	0.0
	TOTAL	8	0.6	22.53	0.0	24	2.3	9.80	1.0	32	1.4	32.33	0.0
UNIDENTIFIED MINNOWS	1977	0	0.0	0.00	0.0	60	19.5	3.23	0.8	60	10.6	3.23	0.0
	1983	0	0.0	0.00	0.0	15	5.5	0.68	0.8	15	3.9	0.68	0.0
	1984	0	0.0	0.00	0.0	5	3.9	0.34	1.1	5	1.9	0.34	0.0
	TOTAL	0	0.0	0.00	0.0	80	11.3	4.25	0.9	80	6.6	4.25	0.0
QUILLBACK	1977	5	1.9	3184.00	6.2	0	0.0	0.00	0.0	5	0.9	3184.00	6.1
	1978	5	1.3	2014.00	11.8	0	0.0	0.00	0.0	5	1.3	2014.00	11.8
	1979	7	2.6	1358.00	4.5	0	0.0	0.00	0.0	7	2.0	1358.00	4.5
	1981	1	0.3	600.00	0.8	0	0.0	0.00	0.0	1	0.3	600.00	0.8
	1982	5	5.2	2220.00	8.9	0	0.0	0.00	0.0	5	2.9	2220.00	8.9
	1983	31	27.9	15742.00	50.3	0	0.0	0.00	0.0	31	8.1	15742.00	50.2
	1984	20	15.3	11306.00	27.8	0	0.0	0.00	0.0	20	7.7	11306.00	27.8
	1985	18	6.6	9705.00	20.4	0	0.0	0.00	0.0	18	2.7	9705.00	20.4
	1986	3	1.1	1785.00	6.7	0	0.0	0.00	0.0	3	0.8	1785.00	6.6
	1987	6	2.8	4330.00	14.4	0	0.0	0.00	0.0	6	2.0	4330.00	14.4
	1988	10	1.8	6832.50	16.5	0	0.0	0.00	0.0	10	1.7	6832.50	16.4
	TOTAL	111	3.9	59076.50	14.2	0	0.0	0.00	0.0	111	2.6	59076.50	14.1
NORTHERN HOGSUCKER	1979	2	0.7	1046.00	3.5	0	0.0	0.00	0.0	2	0.6	1046.00	3.4
	1981	4	1.3	1365.00	1.8	0	0.0	0.00	0.0	4	1.2	1365.00	1.8
	1982	5	5.2	2005.00	8.0	0	0.0	0.00	0.0	5	2.9	2005.00	8.0
	1983	3	2.7	1186.00	3.8	0	0.0	0.00	0.0	3	0.8	1186.00	3.8
	1984	12	9.2	5204.00	12.8	0	0.0	0.00	0.0	12	4.6	5204.00	12.8
	1985	7	2.6	2279.00	4.8	0	0.0	0.00	0.0	7	1.1	2279.00	4.8
	1986	4	1.4	401.00	1.5	0	0.0	0.00	0.0	4	1.1	401.00	1.5
	1987	4	1.9	1050.00	3.5	0	0.0	0.00	0.0	4	1.4	1050.00	3.5
	1988	4	0.7	1332.82	3.2	0	0.0	0.00	0.0	4	0.7	1332.82	3.2
	TOTAL	45	2.0	15868.82	4.5	0	0.0	0.00	0.0	45	1.3	15868.82	4.5
BIGMOUTH BUFFALO	1979	1	0.4	2155.00	7.2	0	0.0	0.00	0.0	1	0.3	2155.00	7.1
	TOTAL	1	0.4	2155.00	7.2	0	0.0	0.00	0.0	1	0.3	2155.00	7.1
SPOTTED SUCKER	1985	1	0.4	0.91	0.0	0	0.0	0.00	0.0	1	0.2	0.91	0.0
	TOTAL	1	0.4	0.91	0.0	0	0.0	0.00	0.0	1	0.2	0.91	0.0
SILVER REDHORSE	1977	3	1.2	795.27	1.5	0	0.0	0.00	0.0	3	0.5	795.27	1.5
	1978	1	0.3	54.00	0.3	0	0.0	0.00	0.0	1	0.3	54.00	0.3
	1979	2	0.7	1503.00	5.0	0	0.0	0.00	0.0	2	0.6	1503.00	4.9
	1981	13	4.3	6083.00	8.0	0	0.0	0.00	0.0	13	4.0	6083.00	7.9
	1982	7	7.2	7020.00	28.1	0	0.0	0.00	0.0	7	4.0	7020.00	28.0
	1983	7	6.3	4085.00	13.1	0	0.0	0.00	0.0	7	1.8	4085.00	13.0
	1984	7	5.3	7535.00	18.5	0	0.0	0.00	0.0	7	2.7	7535.00	18.5
	1985	1	0.4	185.00	0.4	0	0.0	0.00	0.0	1	0.2	185.00	0.4
	1986	2	0.7	2860.00	10.8	0	0.0	0.00	0.0	2	0.6	2860.00	10.6
	1988	2	0.4	157.00	0.4	0	0.0	0.00	0.0	2	0.3	157.00	0.4
	TOTAL	45	1.7	30277.27	7.8	0	0.0	0.00	0.0	45	1.1	30277.27	7.8
RIVER REDHORSE	1977	17	6.5	1872.00	3.6	1	0.3	2.52	0.7	18	3.2	1874.52	3.6
	1978	3	0.8	203.00	1.2	0	0.0	0.00	0.0	3	0.8	203.00	1.2
	1979	20	7.4	492.30	1.6	0	0.0	0.00	0.0	20	5.8	492.30	1.6
	1981	5	1.6	2099.00	2.7	0	0.0	0.00	0.0	5	1.5	2099.00	2.7
	1982	3	3.1	1590.00	6.4	0	0.0	0.00	0.0	3	1.7	1590.00	6.3
	1983	1	0.9	56.00	0.2	0	0.0	0.00	0.0	1	0.3	56.00	0.2
	1985	1	0.4	45.00	0.1	0	0.0	0.00	0.0	1	0.2	45.00	0.1
	1986	29	10.5	2374.18	8.9	0	0.0	0.00	0.0	29	8.2	2374.18	8.8
	1987	11	5.1	1776.00	5.9	0	0.0	0.00	0.0	11	3.7	1776.00	5.9
	1988	5	0.9	2080.00	5.0	0	0.0	0.00	0.0	5	0.8	2080.00	5.0
	TOTAL	95	3.5	12587.48	3.3	1	0.1	2.52	0.1	96	2.3	12590.00	3.3
GOLDEN REDHORSE	1977	38	14.6	10406.00	20.2	0	0.0	0.00	0.0	38	6.7	10406.00	20.1
	1978	11	2.9	581.00	3.4	0	0.0	0.00	0.0	11	2.8	581.00	3.4
	1979	50	18.4	4623.68	15.4	1	1.4	13.24	3.6	51	14.7	4636.92	15.2
	1981	70	23.0	11136.90	14.6	0	0.0	0.00	0.0	70	21.4	11136.90	14.5
	1982	11	11.3	1938.00	7.8	0	0.0	0.00	0.0	11	6.4	1938.00	7.7
	1983	16	14.4	5629.00	18.0	0	0.0	0.00	0.0	16	4.2	5629.00	17.9
	1984	37	28.2	6473.00	15.9	0	0.0	0.00	0.0	37	14.2	6473.00	15.9
	1985	51	18.8	12331.51	25.9	0	0.0	0.00	0.0	51	7.8	12331.51	25.9
	1986	74	26.7	8139.46	30.6	3	3.9	56.74	12.5	77	21.8	8196.20	30.3
	1987	56	26.0	7569.43	25.2	0	0.0	0.00	0.0	56	19.0	7569.43	25.2
	1988	39	7.1	9589.82	23.2	0	0.0	0.00	0.0	39	6.5	9589.82	23.1
	TOTAL	453	15.8	78417.80	18.8	4	0.3	69.98	3.5	457	10.5	78487.78	18.7
SHORTHEAD REDHORSE	1977	27	10.4	6797.34	13.2	0	0.0	0.00	0.0	27	4.8	6797.34	13.1
	1978	2	0.5	27.32	0.2	0	0.0	0.00	0.0	2	0.5	27.32	0.2
	1979	9	3.3	1151.80	3.8	0	0.0	0.00	0.0	9	2.6	1151.80	3.8
	1981	67	22.0	28420.00	37.2	0	0.0	0.00	0.0	67	20.5	28420.00	37.0
	1982	5	5.2	1650.00	6.6	0	0.0	0.00	0.0	5	2.9	1650.00	6.6
	1983	2	1.8	130.00	0.4	0	0.0	0.00	0.0	2	0.5	130.00	0.4
	1984	4	3.1	210.00	0.5	0	0.0	0.00	0.0	4	1.5	210.00	0.5
	1985	13	4.8	2788.07	5.9	0	0.0	0.00	0.0	13	2.0	2788.07	5.9
	1986	24	8.7	846.00	3.2	0	0.0	0.00	0.0	24	6.8	846.00	3.1
	1987	1	0.5	56.00	0.2	0	0.0	0.00	0.0	1	0.3	56.00	0.2
	1988	15	2.7	1641.72	4.0	0	0.0	0.00	0.0	15	2.5	1641.72	4.0
	TOTAL	169	5.9	43718.25	10.5	0	0.0	0.00	0.0	169	3.9	43718.25	10.4
UNIDENTIFIED REDHORSE	1977	10	3.8	39.84	0.1	0	0.0	0.00	0.0	10	1.8	39.84	0.1
	1978	17	4.5	14.14	0.1	0	0.0	0.00	0.0	17	4.4	14.14	0.1
	1979	1	0.4	1.02	0.0	2	2.7	1.14	0.3	3	0.9	2.16	0.0
	TOTAL	28	3.1	55.00	0.1	2	0.5	1.14	0.2	30	2.3	56.14	0.1
BLACK BULLHEAD	1981	1	0.3	140.00	0.2	0	0.0	0.00	0.0	1	0.3	140.00	0.2
	TOTAL	1	0.3	140.00	0.2	0	0.0	0.00	0.0	1	0.3	140.00	0.2
CHANNEL CATFISH	1977	7	2.7	3132.16	6.1	0	0.0	0.00	0.0	7	1.2	3132.16	6.0
	1979	2	0.7	1015.00	3.4	0	0.0	0.00	0.0	2	0.6	1015.00	3.3
	1981	1	0.3	2530.00	3.3	0	0.0	0.00	0.0	1	0.3	2530.00	3.3
	1984	2	1.5	2637.00	6.5	0	0.0	0.00	0.0	2	0.8	2637.00	6.5
	1987	1	0.5	3648.00	12.1	0	0.0	0.00	0.0	1	0.3	3648.00	12.1
	TOTAL	13	1.1	12962.16	5.7	0	0.0	0.00	0.0	13	0.7	12962.16	5.6
STONECAT	1983	1	0.9	28.63	0.1	0	0.0	0.00	0.0	1	0.3	28.63	0.1
	TOTAL	1	0.9	28.63	0.1	0	0.0	0.00	0.0	1	0.3	28.63	0.1
BLACKSTRIPE TOPMINNOW	1983	0	0.0	0.00	0.0	3	1.1	5.14	6.1	3	0.8	5.14	0.0
	1986	0	0.0	0.00	0.0	8	10.4	3.69	0.8	8	2.3	3.69	0.0
	1987	0	0.0	0.00	0.0	6	7.6	0.85	1.9	6	2.0	0.85	0.0
	1988	0	0.0	0.00	0.0	12	25.5	6.41	4.5	12	2.0	6.41	0.0
	TOTAL	0	0.0	0.00	0.0	29	6.1	16.09	2.2	29	1.8	16.09	0.0

APPENDIX D-10 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	ELECTROFISHING %NO.	ELECTROFISHING WT(G)	ELECTROFISHING %WT	SEINING NO.	SEINING %NO.	SEINING WT(G)	SEINING %WT	TOTAL NO.	TOTAL %NO.	TOTAL WT(G)	TOTAL %WT
BROOK SILVERSIDE	1977	0	0.0	0.00	0.0	18	5.9	8.59	2.3	18	3.2	8.59	0.0
	1984	0	0.0	0.00	0.0	4	3.1	0.31	1.0	4	1.5	0.31	0.0
	1985	0	0.0	0.00	0.0	207	53.6	28.16	30.1	207	31.5	28.16	0.1
	1986	0	0.0	0.00	0.0	4	5.2	0.65	0.1	4	1.1	0.65	0.0
	1987	3	1.4	5.84	0.0	0	0.0	0.00	0.0	3	1.0	5.84	0.0
	1988	3	0.5	2.81	0.0	0	0.0	0.00	0.0	3	0.5	2.81	0.0
	TOTAL	6	0.4	8.65	0.0	233	22.7	37.71	3.3	239	8.8	46.36	0.0
ROCK BASS	1977	38	14.6	3831.00	7.4	1	0.3	0.68	0.2	39	6.9	3831.68	7.4
	1978	38	10.1	3334.00	19.5	0	0.0	0.00	0.0	38	9.8	3334.00	19.5
	1979	43	15.8	3269.00	10.9	2	2.7	240.00	64.7	45	13.0	3509.00	11.5
	1981	51	16.8	7666.00	10.0	0	0.0	0.00	0.0	51	15.6	7666.00	10.0
	1982	4	4.1	729.00	2.9	0	0.0	0.00	0.0	4	2.3	729.00	2.9
	1983	3	2.7	380.00	1.2	0	0.0	0.00	0.0	3	0.8	380.00	1.2
	1984	3	2.3	325.00	0.8	0	0.0	0.00	0.0	3	1.2	325.00	0.8
	1985	21	7.7	2060.00	4.3	0	0.0	0.00	0.0	21	3.2	2060.00	4.3
	1986	38	13.7	5040.72	19.0	3	3.9	82.00	18.0	41	11.6	5122.72	19.0
	1987	25	11.6	3261.00	10.9	0	0.0	0.00	0.0	25	8.5	3261.00	10.8
	1988	55	10.0	6347.25	15.3	4	8.5	23.89	16.7	59	9.9	6371.14	15.3
	TOTAL	319	11.1	36242.97	8.7	10	0.7	346.57	17.3	329	7.6	36589.54	8.7
GREEN SUNFISH	1977	3	1.2	43.00	0.1	1	0.3	0.22	0.1	4	0.7	43.22	0.1
	1978	31	8.3	483.91	2.8	0	0.0	0.00	0.0	31	8.0	483.91	2.8
	1979	10	3.7	196.00	0.7	0	0.0	0.00	0.0	10	2.9	196.00	0.6
	1981	13	4.3	233.00	0.3	0	0.0	0.00	0.0	13	4.0	233.00	0.3
	1982	6	6.2	75.03	0.3	0	0.0	0.00	0.0	6	3.5	75.03	0.3
	1983	2	1.8	67.00	0.2	0	0.0	0.00	0.0	2	0.5	67.00	0.2
	1986	1	0.4	5.58	0.0	1	1.3	78.00	17.1	2	0.6	83.58	0.3
	1987	1	0.5	1.12	0.0	0	0.0	0.00	0.0	1	0.3	1.12	0.0
	1988	1	0.2	22.00	0.1	0	0.0	0.00	0.0	1	0.2	22.00	0.1
	TOTAL	68	2.8	1126.64	0.3	2	0.2	78.22	4.2	70	2.0	1204.86	0.4
ORANGESPOTTED SUNFISH	1977	2	0.8	15.97	0.0	4	1.3	0.88	0.2	6	1.1	16.85	0.0
	1978	5	1.3	30.00	0.2	0	0.0	0.00	0.0	5	1.3	30.00	0.2
	1979	5	1.8	43.93	0.1	0	0.0	0.00	0.0	5	1.4	43.93	0.1
	1981	3	1.0	15.00	0.0	0	0.0	0.00	0.0	3	0.9	15.00	0.0
	1982	1	1.0	10.00	0.0	0	0.0	0.00	0.0	1	0.6	10.00	0.0
	1986	5	1.8	33.45	0.1	3	3.9	14.54	3.2	8	2.3	47.99	0.2
	1987	3	1.4	36.00	0.1	0	0.0	0.00	0.0	3	1.0	36.00	0.1
	1988	3	0.5	50.00	0.1	1	2.1	0.05	0.0	4	0.7	50.05	0.1
	TOTAL	27	1.1	234.35	0.1	8	1.2	15.47	0.9	35	1.1	249.82	0.1
BLUEGILL	1977	0	0.0	0.00	0.0	3	1.0	0.62	0.2	3	0.5	0.62	0.0
	1978	6	1.6	67.00	0.4	0	0.0	0.00	0.0	6	1.6	67.00	0.4
	1982	2	2.1	32.00	0.1	0	0.0	0.00	0.0	2	1.2	32.00	0.1
	1983	1	0.9	11.44	0.0	0	0.0	0.00	0.0	1	0.3	11.44	0.0
	1986	1	0.4	0.87	0.0	8	10.4	38.40	8.4	9	2.5	39.27	0.1
	1987	2	0.9	6.23	0.0	2	2.5	9.88	22.2	4	1.4	16.11	0.1
	TOTAL	12	0.9	117.54	0.1	13	1.6	48.90	4.8	25	1.2	166.44	0.1
CENTRAL LONGEAR SUNFISH	1977	2	0.8	24.02	0.0	0	0.0	0.00	0.0	2	0.4	24.02	0.0
	TOTAL	2	0.8	24.02	0.0	0	0.0	0.00	0.0	2	0.4	24.02	0.0
NORTHERN LONGEAR SUNFISH	1977	22	8.5	394.87	0.8	0	0.0	0.00	0.0	22	3.9	394.87	0.8
	TOTAL	22	8.5	394.87	0.8	0	0.0	0.00	0.0	22	3.9	394.87	0.8
LONGEAR SUNFISH	1978	77	20.5	1458.00	8.5	0	0.0	0.00	0.0	77	19.9	1458.00	8.5
	1979	36	13.2	809.73	2.7	4	5.4	77.98	21.0	40	11.6	887.71	2.9
	1981	23	7.6	533.00	0.7	2	8.7	7.98	2.4	25	7.6	540.98	0.7
	1982	11	11.3	301.00	1.2	0	0.0	0.00	0.0	11	6.4	301.00	1.2
	1983	3	2.7	57.82	0.2	0	0.0	0.00	0.0	3	0.8	57.82	0.2
	1984	3	2.3	39.00	0.1	0	0.0	0.00	0.0	3	1.2	39.00	0.1
	1985	7	2.6	101.26	0.2	0	0.0	0.00	0.0	7	1.1	101.26	0.2
	1986	16	5.8	244.40	0.9	9	11.7	104.11	22.9	25	7.1	348.51	1.3
	1987	9	4.2	184.26	0.6	0	0.0	0.00	0.0	9	3.1	184.26	0.6
	1988	9	1.6	159.00	0.4	2	4.3	8.48	5.9	11	1.8	167.48	0.4
	TOTAL	194	7.5	3887.47	1.1	17	1.4	198.55	12.3	211	5.6	4086.02	1.1
ORANGESPOTTED XLONGEAR SUNFISH	1981	1	0.3	9.00	0.0	0	0.0	0.00	0.0	1	0.3	9.00	0.0
	TOTAL	1	0.3	9.00	0.0	0	0.0	0.00	0.0	1	0.3	9.00	0.0
UNIDENTIFIED SUNFISH	1981	0	0.0	0.00	0.0	3	13.0	0.36	0.1	3	0.9	0.36	0.0
	1983	0	0.0	0.00	0.0	1	0.4	0.15	0.2	1	0.3	0.15	0.0
	TOTAL	0	0.0	0.00	0.0	4	1.3	0.51	0.1	4	0.6	0.51	0.0
SMALLMOUTH BASS	1977	48	18.5	9306.00	18.1	1	0.3	3.28	0.9	49	8.6	9309.28	18.0
	1978	61	16.3	4244.21	24.8	0	0.0	0.00	0.0	61	15.8	4244.21	24.8
	1979	63	23.2	5428.89	18.1	0	0.0	0.00	0.0	63	18.2	5428.89	17.8
	1981	14	4.6	2978.00	3.9	0	0.0	0.00	0.0	14	4.3	2978.00	3.9
	1982	19	19.6	4427.00	17.7	0	0.0	0.00	0.0	19	11.0	4427.00	17.7
	1983	25	22.5	3170.00	10.1	0	0.0	0.00	0.0	25	6.5	3170.00	10.1
	1984	40	30.5	5558.00	13.7	0	0.0	0.00	0.0	40	15.4	5558.00	13.7
	1985	112	41.3	17865.15	37.6	2	0.5	9.98	10.7	114	17.4	17875.13	37.5
	1986	58	20.9	3780.82	14.2	0	0.0	0.00	0.0	58	16.4	3780.82	14.0
	1987	36	16.7	6492.00	21.6	0	0.0	0.00	0.0	36	12.2	6492.00	21.6
	1988	158	28.7	7583.99	18.3	16	34.0	79.18	55.3	174	29.1	7663.17	18.4
	TOTAL	634	22.1	70834.06	17.0	19	1.3	92.44	4.6	653	15.0	70926.50	16.9
LARGEMOUTH BASS	1977	7	2.7	137.00	0.3	1	0.3	28.85	7.6	8	1.4	165.85	0.3
	1978	11	2.9	159.51	0.9	0	0.0	0.00	0.0	11	2.8	159.51	0.9
	1979	1	0.4	3.59	0.0	1	1.4	3.00	0.8	2	0.6	6.59	0.0
	1981	3	1.0	345.00	0.5	0	0.0	0.00	0.0	3	0.9	345.00	0.4
	1982	2	2.1	6.92	0.0	0	0.0	0.00	0.0	2	1.2	6.92	0.0
	1983	1	0.9	7.00	0.0	0	0.0	0.00	0.0	1	0.3	7.00	0.0
	1985	1	0.4	7.32	0.0	0	0.0	0.00	0.0	1	0.2	7.32	0.0
	1987	2	0.9	53.64	0.2	0	0.0	0.00	0.0	2	0.7	53.64	0.2
	TOTAL	28	1.5	719.98	0.2	2	0.2	31.85	2.3	30	1.0	751.83	0.2
WHITE CRAPPIE	1977	1	0.4	2.51	0.0	0	0.0	0.00	0.0	1	0.2	2.51	0.0
	1979	2	0.7	163.00	0.5	0	0.0	0.00	0.0	2	0.6	163.00	0.5
	1981	10	3.3	998.00	1.3	3	13.0	305.00	92.1	13	4.0	1303.00	1.7
	1982	1	1.0	162.00	0.6	0	0.0	0.00	0.0	1	0.6	162.00	0.6
	1983	2	1.8	313.00	1.0	0	0.0	0.00	0.0	2	0.5	313.00	1.0
	TOTAL	16	1.5	1638.51	0.8	3	0.4	305.00	24.9	19	1.1	1943.51	0.9
BLACK CRAPPIE	1977	0	0.0	0.00	0.0	6	2.0	190.04	49.9	6	1.1	190.04	0.4
	1978	0	0.0	0.00	0.0	1	9.1	0.49	9.8	1	0.3	0.49	0.0
	1979	2	0.7	201.00	0.7	1	1.4	1.28	0.3	3	0.9	202.28	0.7
	1981	2	0.7	621.00	0.8	0	0.0	0.00	0.0	2	0.6	621.00	0.8
	1982	0	0.0	0.00	0.0	1	1.3	1.09	1.8	1	0.6	1.09	0.0
	1986	2	0.7	442.00	1.7	0	0.0	0.00	0.0	2	0.6	442.00	1.6
	TOTAL	6	0.4	1264.00	0.6	9	1.6	192.90	12.0	15	0.7	1456.90	0.6

APPENDIX D-10 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING				SEINING				TOTAL			
		NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT
JOHNNY DARTER	1977	0	0.0	0.00	0.0	2	0.7	0.58	0.2	2	0.4	0.58	0.0
	1978	1	0.3	0.41	0.0	0	0.0	0.00	0.0	1	0.3	0.41	0.0
	1979	0	0.0	0.00	0.0	2	2.7	0.62	0.2	2	0.6	0.62	0.0
	1987	0	0.0	0.00	0.0	1	1.3	0.35	0.8	1	0.3	0.35	0.0
	TOTAL	1	0.1	0.41	0.0	5	1.1	1.55	0.2	6	0.4	1.96	0.0
BANDED DARTER	1988	1	0.2	0.59	0.0	1	2.1	0.39	0.3	2	0.3	0.98	0.0
	TOTAL	1	0.2	0.59	0.0	1	2.1	0.39	0.3	2	0.3	0.98	0.0
YELLOW PERCH	1979	1	0.4	0.94	0.0	0	0.0	0.00	0.0	1	0.3	0.94	0.0
	TOTAL	1	0.4	0.94	0.0	0	0.0	0.00	0.0	1	0.3	0.94	0.0
LOG PERCH	1987	1	0.5	3.21	0.0	0	0.0	0.00	0.0	1	0.3	3.21	0.0
	1988	6	1.1	18.75	0.0	0	0.0	0.00	0.0	6	1.0	18.75	0.0
	TOTAL	7	0.9	21.96	0.0	0	0.0	0.00	0.0	7	0.8	21.96	0.0
SLENDERHEAD DARTER	1985	1	0.4	0.98	0.0	0	0.0	0.00	0.0	1	0.2	0.98	0.0
	1988	1	0.2	1.29	0.0	0	0.0	0.00	0.0	1	0.2	1.29	0.0
	TOTAL	2	0.2	2.27	0.0	0	0.0	0.00	0.0	2	0.2	2.27	0.0
WALLEYE	1981	1	0.3	1230.00	1.6	0	0.0	0.00	0.0	1	0.3	1230.00	1.6
	1983	1	0.9	160.00	0.5	0	0.0	0.00	0.0	1	0.3	160.00	0.5
	TOTAL	2	0.5	1390.00	1.3	0	0.0	0.00	0.0	2	0.3	1390.00	1.3
FRESHWATER DRUM	1986	1	0.4	325.00	1.2	0	0.0	0.00	0.0	1	0.3	325.00	1.2
	TOTAL	1	0.4	325.00	1.2	0	0.0	0.00	0.0	1	0.3	325.00	1.2

APPENDIX D-11. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	%NO.	WT(G)	%WT	SEINING NO.	%NO.	WT(G)	%WT	TOTAL NO.	%NO.	WT(G)	%WT
LONGNOSE GAR	1977	2	2.5	115.00	0.6	0	0.0	0.00	0.0	2	0.2	115.00	0.6
	1983	0	0.0	0.00	0.0	1	1.4	9.37	17.2	1	0.7	9.37	0.1
	1988	2	1.1	76.00	0.8	0	0.0	0.00	0.0	2	0.7	76.00	0.7
	TOTAL	4	1.2	191.00	0.4	1	0.1	9.37	0.5	5	0.3	200.37	0.4
GIZZARD SHAD	1977	1	1.2	9.83	0.1	2	0.2	0.23	0.0	3	0.2	10.06	0.1
	1981	1	0.9	25.00	0.1	0	0.0	0.00	0.0	1	0.5	25.00	0.1
	1982	1	3.7	6.00	0.1	0	0.0	0.00	0.0	1	2.7	6.00	0.1
	1985	1	0.5	21.00	0.1	0	0.0	0.00	0.0	1	0.1	21.00	0.1
	1986	1	1.0	93.00	1.5	0	0.0	0.00	0.0	1	0.4	93.00	1.5
	1987	1	1.6	107.00	1.8	0	0.0	0.00	0.0	1	0.8	107.00	1.8
	1988	35	18.7	1568.26	16.0	0	0.0	0.00	0.0	35	11.7	1568.26	14.9
	TOTAL	41	5.2	1830.09	1.8	2	0.1	0.23	0.0	43	1.5	1830.32	1.8
CRASS PICKEREL	1981	0	0.0	0.00	0.0	1	0.9	2.66	0.5	1	0.5	2.66	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.9	2.66	0.5	1	0.5	2.66	0.0
NORTHERN PIKE	1984	2	3.4	1021.00	6.0	0	0.0	0.00	0.0	2	2.1	1021.00	6.0
	TOTAL	2	3.4	1021.00	6.0	0	0.0	0.00	0.0	2	2.1	1021.00	6.0
CENTRAL STONEROLLER	1986	0	0.0	0.00	0.0	1	0.7	0.82	0.4	1	0.4	0.82	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.7	0.82	0.4	1	0.4	0.82	0.0
COLOFISH	1987	1	1.6	52.00	0.9	0	0.0	0.00	0.0	1	0.8	52.00	0.9
	TOTAL	1	1.6	52.00	0.9	0	0.0	0.00	0.0	1	0.8	52.00	0.9
CARP	1977	2	2.5	3939.00	20.6	0	0.0	0.00	0.0	2	0.2	3939.00	19.7
	1978	2	5.3	1580.00	31.4	0	0.0	0.00	0.0	2	2.6	1580.00	31.0
	1979	1	1.5	630.00	4.6	0	0.0	0.00	0.0	1	0.3	630.00	4.5
	1981	4	3.6	5250.00	15.1	0	0.0	0.00	0.0	4	1.8	5250.00	14.9
	1982	4	14.8	2665.00	27.0	0	0.0	0.00	0.0	4	10.8	2665.00	27.0
	1983	2	2.7	2900.00	20.1	0	0.0	0.00	0.0	2	1.4	2900.00	20.1
	1984	1	1.7	2637.00	15.4	0	0.0	0.00	0.0	1	1.0	2637.00	15.4
	1986	2	2.0	810.00	13.3	0	0.0	0.00	0.0	2	0.8	810.00	12.9
	1988	6	3.2	536.00	5.5	0	0.0	0.00	0.0	6	2.0	536.00	5.1
	TOTAL	24	3.2	20947.00	16.2	0	0.0	0.00	0.0	24	0.9	20947.00	15.8
SILVERJAW MINNOW	1979	0	0.0	0.00	0.0	1	0.3	0.34	0.1	1	0.3	0.34	0.0
	1985	0	0.0	0.00	0.0	1	0.2	1.95	0.3	1	0.1	1.95	0.0
	TOTAL	0	0.0	0.00	0.0	2	0.2	2.29	0.2	2	0.2	2.29	0.0
HORNYHEAD CHUB	1979	0	0.0	0.00	0.0	4	1.3	2.97	0.9	4	1.1	2.97	0.0
	1984	0	0.0	0.00	0.0	1	2.6	0.24	0.8	1	1.0	0.24	0.0
	1985	0	0.0	0.00	0.0	6	1.1	5.03	0.7	6	0.8	5.03	0.0
	1986	0	0.0	0.00	0.0	1	0.7	0.19	0.1	1	0.4	0.19	0.0
	TOTAL	0	0.0	0.00	0.0	12	1.1	8.43	0.7	12	0.8	8.43	0.0
PALLID CHUB	1985	0	0.0	0.00	0.0	1	0.2	0.07	0.0	1	0.1	0.07	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.2	0.07	0.0	1	0.1	0.07	0.0
GOLDEN SHINER	1985	1	0.5	8.74	0.1	0	0.0	0.00	0.0	1	0.1	8.74	0.1
	TOTAL	1	0.5	8.74	0.1	0	0.0	0.00	0.0	1	0.1	8.74	0.1
EMERALD SHINER	1985	0	0.0	0.00	0.0	3	0.5	0.34	0.0	3	0.4	0.34	0.0
	1986	0	0.0	0.00	0.0	1	0.7	0.05	0.0	1	0.4	0.05	0.0
	TOTAL	0	0.0	0.00	0.0	4	0.6	0.39	0.0	4	0.4	0.39	0.0
STRIPED SHINER	1978	0	0.0	0.00	0.0	6	15.0	2.14	3.4	6	7.7	2.14	0.0
	1979	0	0.0	0.00	0.0	2	0.7	0.56	0.2	2	0.5	0.56	0.0
	1982	0	0.0	0.00	0.0	1	10.0	0.08	0.5	1	2.7	0.08	0.0
	1983	0	0.0	0.00	0.0	26	37.1	7.16	13.2	26	18.2	7.16	0.0
	1984	0	0.0	0.00	0.0	4	10.5	0.56	1.9	4	4.1	0.56	0.0
	1985	3	1.4	9.66	0.1	88	15.6	44.84	6.3	91	11.6	54.50	0.3
	1986	8	8.0	20.57	0.3	2	1.4	0.42	0.2	10	4.1	20.99	0.3
	1988	2	1.1	2.57	0.0	3	2.7	1.16	0.2	5	1.7	3.73	0.0
	TOTAL	13	1.7	32.80	0.0	132	10.3	56.92	2.6	145	7.1	89.72	0.1
RED SHINER	1983	3	4.1	5.98	0.0	0	0.0	0.00	0.0	3	2.1	5.98	0.0
	1985	2	0.9	10.54	0.1	1	0.2	1.41	0.2	3	0.4	11.95	0.1
	1987	0	0.0	0.00	0.0	1	1.5	0.61	1.4	1	0.8	0.61	0.0
	TOTAL	5	1.4	16.52	0.0	2	0.3	2.02	0.2	7	0.7	18.54	0.1
ROSYFACE SHINER	1977	1	1.2	1.05	0.0	5	0.4	2.17	0.2	6	0.5	3.22	0.0
	1979	0	0.0	0.00	0.0	11	3.7	4.42	1.3	11	3.0	4.42	0.0
	1981	0	0.0	0.00	0.0	2	1.9	2.26	0.4	2	0.9	2.26	0.0
	1984	0	0.0	0.00	0.0	1	2.6	0.10	0.3	1	1.0	0.10	0.0
	1985	1	0.5	2.05	0.0	23	4.1	5.53	0.8	24	3.1	7.58	0.0
	1986	3	3.0	5.39	0.1	4	2.8	0.16	0.1	7	2.9	5.55	0.1
	1987	1	1.6	4.66	0.1	0	0.0	0.00	0.0	1	0.8	4.66	0.1
	1988	7	3.7	7.10	0.1	17	15.3	14.50	2.0	24	8.1	21.60	0.2
	TOTAL	13	1.5	20.25	0.0	63	2.5	29.14	0.8	76	2.3	49.39	0.0
SPOTFIN SHINER	1977	6	7.4	34.32	0.2	159	13.9	84.92	9.2	165	13.5	119.24	0.6
	1978	6	15.8	26.32	0.5	10	25.0	27.48	44.0	16	20.5	53.80	1.1
	1979	4	6.0	16.99	0.1	177	59.0	157.43	45.7	181	49.3	174.42	1.3
	1981	4	3.6	26.68	0.1	26	24.5	22.63	4.0	30	13.8	49.31	0.1
	1982	1	3.7	4.64	0.0	0	0.0	0.00	0.0	1	2.7	4.64	0.0
	1983	29	39.7	127.68	0.9	7	10.0	12.36	22.7	36	25.2	140.04	1.0
	1984	6	10.2	15.71	0.1	23	60.5	22.04	75.3	29	29.9	37.75	0.2
	1985	20	9.1	76.88	0.5	99	17.5	147.95	20.8	119	15.2	224.83	1.4
	1986	9	9.0	19.15	0.3	12	8.5	13.07	6.2	21	8.7	32.22	0.5
	1987	8	13.1	12.67	0.2	39	60.0	20.85	47.8	47	37.3	33.52	0.6
	1988	3	1.6	9.93	0.1	1	0.9	1.51	0.2	4	1.3	11.44	0.1
	TOTAL	96	9.4	370.97	0.2	553	21.3	510.24	13.8	649	17.9	881.21	0.6
SAND SHINER	1977	0	0.0	0.00	0.0	73	6.4	15.56	1.7	73	6.0	15.56	0.1
	1978	0	0.0	0.00	0.0	3	7.5	0.71	1.1	3	3.8	0.71	0.0
	1979	0	0.0	0.00	0.0	56	18.7	33.60	9.8	56	15.3	33.60	0.2
	1983	0	0.0	0.00	0.0	7	10.0	3.35	6.2	7	4.9	3.35	0.0
	1984	0	0.0	0.00	0.0	6	15.8	3.49	11.9	6	6.2	3.49	0.0
	1985	1	0.5	1.82	0.0	67	11.9	65.87	9.2	68	8.7	67.69	0.4
	1986	2	2.0	2.35	0.0	33	23.2	13.91	6.6	35	14.5	16.26	0.3
	1987	0	0.0	0.00	0.0	5	7.7	4.52	10.4	5	4.0	4.52	0.1
	1988	1	0.5	1.31	0.0	0	0.0	0.00	0.0	1	0.3	1.31	0.0
	TOTAL	4	0.5	5.48	0.0	250	10.1	141.01	4.5	254	7.6	146.49	0.1

APPENDIX D-11 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	%NO.	WT(G)	%WT	SEINING NO.	%NO.	WT(G)	%WT	TOTAL NO.	%NO.	WT(G)	%WT
REDFIN SHINER	1977	0	0.0	0.00	0.0	2	0.2	0.44	0.0	2	0.2	0.44	0.0
	1988	0	0.0	0.00	0.0	5	4.5	6.68	0.9	5	1.7	6.68	0.1
	TOTAL	0	0.0	0.00	0.0	7	0.6	7.12	0.4	7	0.5	7.12	0.0
MIMIC SHINER	1981	0	0.0	0.00	0.0	6	5.7	2.85	0.5	6	2.8	2.85	0.0
	1982	0	0.0	0.00	0.0	1	10.0	1.01	6.3	1	2.7	1.01	0.0
	1985	0	0.0	0.00	0.0	1	0.2	0.89	0.1	1	0.1	0.89	0.0
	1986	0	0.0	0.00	0.0	2	1.4	1.83	0.9	2	0.8	1.83	0.0
	1987	0	0.0	0.00	0.0	5	7.7	2.96	6.8	5	4.0	2.96	0.1
	TOTAL	0	0.0	0.00	0.0	15	1.7	9.54	0.6	15	1.1	9.54	0.0
SUCKERMOUTH MINNOW	1978	0	0.0	0.00	0.0	3	7.5	0.83	1.3	3	3.8	0.83	0.0
	1979	0	0.0	0.00	0.0	5	1.7	2.31	0.7	5	1.4	2.31	0.0
	1981	0	0.0	0.00	0.0	1	0.9	0.44	0.1	1	0.5	0.44	0.0
	1983	0	0.0	0.00	0.0	3	4.3	1.84	3.4	3	2.1	1.84	0.0
	1985	0	0.0	0.00	0.0	3	0.5	5.70	0.8	3	0.4	5.70	0.0
	1986	0	0.0	0.00	0.0	1	0.7	0.51	0.2	1	0.4	0.51	0.0
	1988	1	0.5	0.76	0.0	0	0.0	0.00	0.0	1	0.3	0.76	0.0
	TOTAL	1	0.1	0.76	0.0	16	1.2	11.63	0.4	17	0.8	12.39	0.0
BLUNTNOSE MINNOW	1977	2	2.5	3.68	0.0	97	8.5	59.99	6.5	99	8.1	63.67	0.3
	1978	0	0.0	0.00	0.0	4	10.0	1.15	1.8	4	5.1	1.15	0.0
	1979	0	0.0	0.00	0.0	10	3.3	11.28	3.3	10	2.7	11.28	0.1
	1981	0	0.0	0.00	0.0	12	11.3	9.08	1.6	12	5.5	9.08	0.0
	1982	0	0.0	0.00	0.0	3	30.0	4.52	28.2	3	8.1	4.52	0.0
	1983	1	1.4	1.17	0.0	21	30.0	13.92	25.6	22	15.4	15.09	0.1
	1984	0	0.0	0.00	0.0	2	5.3	2.14	7.3	2	2.1	2.14	0.0
	1985	9	4.1	21.83	0.1	45	8.0	30.66	4.3	54	6.9	52.49	0.3
	1986	15	15.0	29.99	0.5	75	52.8	85.32	40.7	90	37.2	115.31	1.8
	1987	3	4.9	5.89	0.1	12	18.5	13.32	30.5	15	11.9	19.21	0.3
	1988	12	6.4	33.64	0.3	12	10.8	38.53	5.3	24	8.1	72.17	0.7
	TOTAL	42	4.1	96.20	0.1	293	11.3	269.91	7.3	335	9.3	366.11	0.2
FATHEAD MINNOW	1981	1	0.9	8.00	0.0	0	0.0	0.00	0.0	1	0.5	8.00	0.0
	TOTAL	1	0.9	8.00	0.0	0	0.0	0.00	0.0	1	0.5	8.00	0.0
BULLHEAD MINNOW	1977	5	6.2	15.43	0.1	188	16.4	157.96	17.1	193	15.7	173.39	0.9
	1978	1	2.6	2.19	0.0	4	10.0	4.60	7.4	5	6.4	6.79	0.1
	1979	2	3.0	3.77	0.0	17	5.7	33.14	9.6	19	5.2	36.91	0.3
	1981	0	0.0	0.00	0.0	19	17.9	17.58	3.1	19	8.7	17.58	0.0
	1982	0	0.0	0.00	0.0	1	10.0	3.49	21.8	1	2.7	3.49	0.0
	1983	1	1.4	1.53	0.0	0	0.0	0.00	0.0	1	0.7	1.53	0.0
	1984	0	0.0	0.00	0.0	1	2.6	0.70	2.4	1	1.0	0.70	0.0
	1985	18	8.2	53.32	0.3	106	18.8	236.80	33.2	124	15.8	290.12	1.8
	1986	3	3.0	3.59	0.1	2	1.4	3.67	1.8	5	2.1	7.26	0.1
	TOTAL	30	3.9	79.83	0.1	338	14.0	457.94	15.7	368	11.5	537.77	0.4
CREEK CHUB	1978	0	0.0	0.00	0.0	4	10.0	2.44	3.9	4	5.1	2.44	0.0
	1979	0	0.0	0.00	0.0	6	2.0	5.64	1.6	6	1.6	5.64	0.0
	1985	0	0.0	0.00	0.0	7	1.2	11.58	1.6	7	0.9	11.58	0.1
	TOTAL	0	0.0	0.00	0.0	17	1.9	19.66	1.8	17	1.4	19.66	0.1
UNIDENTIFIED MINNOWS	1977	0	0.0	0.00	0.0	530	46.3	35.13	3.8	530	43.2	35.13	0.2
	1982	0	0.0	0.00	0.0	1	10.0	0.04	0.3	1	2.7	0.04	0.0
	TOTAL	0	0.0	0.00	0.0	531	46.0	35.17	3.7	531	42.0	35.17	0.1
QUILLBACK	1977	7	8.6	1788.27	9.4	0	0.0	0.00	0.0	7	0.6	1788.27	8.9
	1978	2	5.3	114.00	2.3	0	0.0	0.00	0.0	2	2.6	114.00	2.2
	1979	8	11.9	2282.00	16.8	0	0.0	0.00	0.0	8	2.2	2282.00	16.4
	1981	4	3.6	1775.00	5.1	0	0.0	0.00	0.0	4	1.8	1775.00	5.0
	1982	1	3.7	620.00	6.3	0	0.0	0.00	0.0	1	2.7	620.00	6.3
	1983	7	9.6	5290.00	36.7	0	0.0	0.00	0.0	7	4.9	5290.00	36.6
	1984	11	18.6	6445.00	37.7	0	0.0	0.00	0.0	11	11.3	6445.00	37.6
	1985	3	1.4	2090.00	13.4	0	0.0	0.00	0.0	3	0.4	2090.00	12.8
	1987	4	6.6	2410.00	41.2	0	0.0	0.00	0.0	4	3.2	2410.00	40.9
	1988	4	2.1	2342.60	23.9	0	0.0	0.00	0.0	4	1.3	2342.60	22.2
	TOTAL	51	5.5	25156.87	17.4	0	0.0	0.00	0.0	51	1.5	25156.87	16.9
NORTHERN HOGSUCKER	1981	1	0.9	460.00	1.3	0	0.0	0.00	0.0	1	0.5	460.00	1.3
	1982	1	3.7	490.00	5.0	0	0.0	0.00	0.0	1	2.7	490.00	5.0
	1983	2	2.7	540.00	3.7	0	0.0	0.00	0.0	2	1.4	540.00	3.7
	1985	2	0.9	98.01	0.6	0	0.0	0.00	0.0	2	0.3	98.01	0.6
	1986	3	3.0	544.00	8.9	0	0.0	0.00	0.0	3	1.2	544.00	8.6
	1988	3	1.6	302.92	3.1	0	0.0	0.00	0.0	3	1.0	302.92	2.9
	TOTAL	12	1.7	2434.93	2.7	0	0.0	0.00	0.0	12	0.7	2434.93	2.6
SILVER REDHORSE	1977	3	3.7	2694.91	14.1	0	0.0	0.00	0.0	3	0.2	2694.91	13.4
	1978	3	7.9	1171.04	23.2	1	2.5	0.55	0.9	4	5.1	1171.59	23.0
	1979	1	1.5	2.00	0.0	0	0.0	0.00	0.0	1	0.3	2.00	0.0
	1981	4	3.6	2645.00	7.6	0	0.0	0.00	0.0	4	1.8	2645.00	7.5
	1982	0	0.0	0.00	0.0	1	10.0	1.63	10.2	1	2.7	1.63	0.0
	1984	3	5.1	1393.00	8.1	0	0.0	0.00	0.0	3	3.1	1393.00	8.1
	1986	1	1.0	60.00	1.0	0	0.0	0.00	0.0	1	0.4	60.00	1.0
	1988	2	1.1	104.00	1.1	0	0.0	0.00	0.0	2	0.7	104.00	1.0
	TOTAL	17	2.5	8069.95	7.0	2	0.1	2.18	0.1	19	0.7	8072.13	6.8
RIVER REDHORSE	1977	1	1.2	67.00	0.4	0	0.0	0.00	0.0	1	0.1	67.00	0.3
	1979	2	3.0	1005.00	7.4	0	0.0	0.00	0.0	2	0.5	1005.00	7.2
	1981	2	1.8	385.00	1.1	0	0.0	0.00	0.0	2	0.9	385.00	1.1
	1982	2	7.4	1150.00	11.7	0	0.0	0.00	0.0	2	5.4	1150.00	11.7
	1985	11	5.0	500.03	3.2	0	0.0	0.00	0.0	11	1.4	500.03	3.1
	1986	4	4.0	455.00	7.5	0	0.0	0.00	0.0	4	1.7	455.00	7.2
	1987	2	3.3	295.00	5.0	0	0.0	0.00	0.0	2	1.6	295.00	5.0
	TOTAL	24	3.6	3857.03	3.7	0	0.0	0.00	0.0	24	0.8	3857.03	3.6
GOLDEN REDHORSE	1977	5	6.2	2046.00	10.7	0	0.0	0.00	0.0	5	0.4	2046.00	10.2
	1979	6	9.0	2512.00	18.5	0	0.0	0.00	0.0	6	1.6	2512.00	18.1
	1981	30	26.8	9435.00	27.2	2	1.9	105.95	18.8	32	14.7	9540.95	27.1
	1982	5	18.5	1345.00	13.6	0	0.0	0.00	0.0	5	13.5	1345.00	13.6
	1983	2	2.7	1035.00	7.2	0	0.0	0.00	0.0	2	1.4	1035.00	7.2
	1984	12	20.3	3325.00	19.5	0	0.0	0.00	0.0	12	12.4	3325.00	19.4
	1985	43	19.6	5911.58	37.9	70	12.4	94.41	13.3	113	14.4	6005.99	36.9
	1986	6	6.0	1075.51	17.7	0	0.0	0.00	0.0	6	2.5	1075.51	17.1
	1987	3	4.9	1560.00	26.7	0	0.0	0.00	0.0	3	2.4	1560.00	26.5
	1988	16	8.6	1310.70	13.4	0	0.0	0.00	0.0	16	5.4	1310.70	12.4
	TOTAL	128	13.0	29555.79	20.2	72	2.8	200.36	5.5	200	5.7	29756.15	19.9

APPENDIX D-11 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING				SEINING				TOTAL			
		NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT
SHORTHEAD REDHORSE	1977	10	12.3	4257.46	22.3	0	0.0	0.00	0.0	10	0.8	4257.46	21.2
	1978	2	5.3	69.00	1.4	0	0.0	0.00	0.0	2	2.6	69.00	1.4
	1979	3	4.5	1840.00	13.6	0	0.0	0.00	0.0	3	0.8	1840.00	13.2
	1981	24	21.4	8957.00	25.8	0	0.0	0.00	0.0	24	11.0	8957.00	25.4
	1982	5	18.5	2520.00	25.6	0	0.0	0.00	0.0	5	13.5	2520.00	25.5
	1983	7	9.6	2988.00	20.7	0	0.0	0.00	0.0	7	4.9	2988.00	20.7
	1984	1	1.7	480.00	2.8	0	0.0	0.00	0.0	1	1.0	480.00	2.8
	1985	6	2.7	152.13	1.0	1	0.2	0.85	0.1	7	0.9	152.98	0.9
	1986	1	1.0	505.00	8.3	0	0.0	0.00	0.0	1	0.4	505.00	8.0
	1988	7	3.7	1098.00	11.2	0	0.0	0.00	0.0	7	2.3	1098.00	10.4
	TOTAL	66	6.9	22866.59	15.7	1	0.0	0.85	0.0	67	1.9	22867.44	15.4
UNIDENTIFIED REDHORSE	1977	1	1.2	4.75	0.0	1	0.1	2.17	0.2	2	0.2	6.92	0.0
	1979	0	0.0	0.00	0.0	1	0.3	0.61	0.2	1	0.3	0.61	0.0
	1981	0	0.0	0.00	0.0	4	3.8	1.03	0.2	4	1.8	1.03	0.0
	TOTAL	1	0.4	4.75	0.0	6	0.4	3.81	0.2	7	0.4	8.56	0.0
CHANNEL CATFISH	1977	1	1.2	640.00	3.3	0	0.0	0.00	0.0	1	0.1	640.00	3.2
	1979	1	1.5	1890.00	13.9	0	0.0	0.00	0.0	1	0.3	1890.00	13.6
	1981	1	0.9	3000.00	8.7	0	0.0	0.00	0.0	1	0.5	3000.00	8.5
	TOTAL	3	1.2	5530.00	8.2	0	0.0	0.00	0.0	3	0.2	5530.00	8.0
STONECAT	1979	1	1.5	13.73	0.1	0	0.0	0.00	0.0	1	0.3	13.73	0.1
	1985	1	0.5	15.00	0.1	0	0.0	0.00	0.0	1	0.1	15.00	0.1
	TOTAL	2	0.7	28.73	0.1	0	0.0	0.00	0.0	2	0.2	28.73	0.1
BLACKSTRIPE TOPMINNOW	1986	0	0.0	0.00	0.0	1	0.7	0.10	0.0	1	0.4	0.10	0.0
	1988	0	0.0	0.00	0.0	2	1.8	0.52	0.1	2	0.7	0.52	0.0
	TOTAL	0	0.0	0.00	0.0	3	1.2	0.62	0.1	3	0.6	0.62	0.0
BROOK SILVERSIDE	1977	0	0.0	0.00	0.0	7	0.6	1.46	0.2	7	0.6	1.46	0.0
	1978	0	0.0	0.00	0.0	1	2.5	0.09	0.1	1	1.3	0.09	0.0
	1985	0	0.0	0.00	0.0	11	1.9	1.91	0.3	11	1.4	1.91	0.0
	1988	3	1.6	2.63	0.0	3	2.7	3.31	0.5	6	2.0	5.94	0.1
	TOTAL	3	0.6	2.63	0.0	22	1.2	6.77	0.3	25	1.0	9.40	0.0
ROCK BASS	1977	12	14.8	1222.00	6.4	34	3.0	347.36	37.6	46	3.8	1569.36	7.8
	1978	7	18.4	1178.00	23.4	0	0.0	0.00	0.0	7	9.0	1178.00	23.1
	1979	9	13.4	1041.00	7.7	0	0.0	0.00	0.0	9	2.5	1041.00	7.5
	1981	11	9.8	1291.00	3.7	1	0.9	230.00	40.9	12	5.5	1521.00	4.3
	1982	1	3.7	18.00	0.2	0	0.0	0.00	0.0	1	2.7	18.00	0.2
	1983	3	4.1	310.00	2.2	0	0.0	0.00	0.0	3	2.1	310.00	2.1
	1984	3	5.1	293.00	1.7	0	0.0	0.00	0.0	3	3.1	293.00	1.7
	1985	28	12.8	1876.00	12.0	0	0.0	0.00	0.0	28	3.6	1876.00	11.5
	1986	7	7.0	507.45	8.3	1	0.7	23.00	11.0	8	3.3	530.45	8.4
	1987	8	13.1	316.00	5.4	0	0.0	0.00	0.0	8	6.3	316.00	5.4
	1988	7	3.7	846.00	8.6	2	1.8	104.42	14.2	9	3.0	950.42	9.0
	TOTAL	96	9.4	8898.45	5.9	38	1.5	704.78	19.1	134	3.7	9603.23	6.2
GREEN SUNFISH	1977	1	1.2	22.00	0.1	3	0.3	54.66	5.9	4	0.3	76.66	0.4
	1978	1	2.6	6.00	0.1	0	0.0	0.00	0.0	1	1.3	6.00	0.1
	1979	5	7.5	184.00	1.4	0	0.0	0.00	0.0	5	1.4	184.00	1.3
	1981	4	3.6	34.00	0.1	0	0.0	0.00	0.0	4	1.8	34.00	0.1
	1982	2	7.4	16.00	0.2	0	0.0	0.00	0.0	2	5.4	16.00	0.2
	1983	5	6.8	93.00	0.6	1	1.4	0.02	0.0	6	4.2	93.02	0.6
	1984	5	8.5	145.00	0.8	0	0.0	0.00	0.0	5	5.2	145.00	0.8
	1985	3	1.4	155.00	1.0	0	0.0	0.00	0.0	3	0.4	155.00	1.0
	1986	4	4.0	139.00	2.3	3	2.1	0.18	0.1	7	2.9	139.18	2.2
	1987	5	8.2	142.11	2.4	0	0.0	0.00	0.0	5	4.0	142.11	2.4
	TOTAL	35	4.2	936.11	0.7	7	0.3	54.86	1.9	42	1.3	990.97	0.7
ORANGESPOTTED SUNFISH	1977	0	0.0	0.00	0.0	4	0.3	0.66	0.1	4	0.3	0.66	0.0
	1981	1	0.9	1.00	0.0	20	18.9	54.61	9.7	21	9.6	55.61	0.2
	1986	3	3.0	24.31	0.4	0	0.0	0.00	0.0	3	1.2	24.31	0.4
	1988	0	0.0	0.00	0.0	2	1.8	0.16	0.0	2	0.7	0.16	0.0
	TOTAL	4	0.8	25.31	0.0	26	1.7	55.43	2.3	30	1.5	80.74	0.1
BLUEGILL	1977	0	0.0	0.00	0.0	4	0.3	1.60	0.2	4	0.3	1.60	0.0
	1979	1	1.5	22.00	0.2	0	0.0	0.00	0.0	1	0.3	22.00	0.2
	1983	1	1.4	29.00	0.2	0	0.0	0.00	0.0	1	0.7	29.00	0.2
	1984	1	1.7	49.00	0.3	0	0.0	0.00	0.0	1	1.0	49.00	0.3
	1985	1	0.5	11.00	0.1	1	0.2	0.15	0.0	2	0.3	11.15	0.1
	1987	0	0.0	0.00	0.0	1	1.5	0.03	0.1	1	0.8	0.03	0.0
	TOTAL	4	0.7	111.00	0.1	6	0.3	1.78	0.1	10	0.4	112.78	0.1
NORTHERN LONGEAR SUNFISH	1977	4	4.9	77.80	0.4	4	0.3	61.47	6.7	8	0.7	139.27	0.7
	TOTAL	4	4.9	77.80	0.4	4	0.3	61.47	6.7	8	0.7	139.27	0.7
LONGEAR SUNFISH	1977	0	0.0	0.00	0.0	5	0.4	9.30	1.0	5	0.4	9.30	0.0
	1978	8	21.1	185.00	3.7	1	2.5	15.92	25.5	9	11.5	200.92	3.9
	1979	9	13.4	157.00	1.2	0	0.0	0.00	0.0	9	2.5	157.00	1.1
	1981	5	4.5	128.00	0.4	3	2.8	14.14	2.5	8	3.7	142.14	0.4
	1982	1	3.7	45.00	0.5	0	0.0	0.00	0.0	1	2.7	45.00	0.5
	1983	5	6.8	150.68	1.0	0	0.0	0.00	0.0	5	3.5	150.68	1.0
	1984	6	10.2	86.00	0.5	0	0.0	0.00	0.0	6	6.2	86.00	0.5
	1985	17	7.8	267.90	1.7	0	0.0	0.00	0.0	17	2.2	267.90	1.6
	1986	17	17.0	295.01	4.8	2	1.4	66.00	31.5	19	7.9	361.01	5.7
	1987	14	23.0	185.12	3.2	0	0.0	0.00	0.0	14	11.1	185.12	3.1
	1988	28	15.0	662.82	6.8	22	19.8	325.35	44.4	50	16.8	988.17	9.4
	TOTAL	110	10.7	2162.53	1.4	33	1.3	430.71	11.7	143	4.0	2593.24	1.7
UNIDENTIFIED SUNFISH	1977	0	0.0	0.00	0.0	2	0.2	0.08	0.0	2	0.2	0.08	0.0
	1981	1	0.9	0.91	0.0	0	0.0	0.00	0.0	1	0.5	0.91	0.0
	TOTAL	1	0.5	0.91	0.0	2	0.2	0.08	0.0	3	0.2	0.99	0.0
SMALLMOUTH BASS	1977	9	11.1	1907.00	10.0	5	0.4	36.73	4.0	14	1.1	1943.73	9.7
	1978	5	13.2	703.00	13.9	0	0.0	0.00	0.0	5	6.4	703.00	13.8
	1979	8	11.9	1273.26	9.4	0	0.0	0.00	0.0	8	2.2	1273.26	9.2
	1981	6	5.4	649.00	1.9	4	3.8	0.92	0.2	10	4.6	649.92	1.8
	1982	2	7.4	885.00	9.0	1	10.0	2.19	13.7	3	8.1	887.19	9.0
	1983	4	5.5	860.00	6.0	0	0.0	0.00	0.0	4	2.8	860.00	5.9
	1984	6	10.2	564.00	3.3	0	0.0	0.00	0.0	6	6.2	564.00	3.3
	1985	40	18.3	4135.02	26.5	13	2.3	38.63	5.4	53	6.8	4173.65	25.6
	1986	11	11.0	1501.00	24.6	0	0.0	0.00	0.0	11	4.5	1501.00	23.8
	1987	11	18.0	762.13	13.0	0	0.0	0.00	0.0	11	8.7	762.13	12.9
	1988	46	24.6	906.09	9.2	39	35.1	215.70	29.4	85	28.5	1121.79	10.6
	TOTAL	148	14.5	14145.50	9.4	62	2.4	294.17	8.0	210	5.8	14439.67	9.3

APPENDIX D-11 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	%NO.	WT(G)	%WT	SEINING NO.	%NO.	WT(G)	%WT	TOTAL NO.	%NO.	WT(G)	%WT
LARGEMOUTH BASS	1977	3	3.7	43.34	0.2	1	0.1	18.30	2.0	4	0.3	61.64	0.3
	1978	1	2.6	5.00	0.1	2	5.0	6.37	10.2	3	3.8	11.37	0.2
	1981	0	0.0	0.00	0.0	1	0.9	0.84	0.1	1	0.5	0.84	0.0
	1982	0	0.0	0.00	0.0	1	10.0	3.04	19.0	1	2.7	3.04	0.0
	1983	0	0.0	0.00	0.0	1	1.4	4.07	7.5	1	0.7	4.07	0.0
	1985	5	2.3	49.91	0.3	0	0.0	0.00	0.0	5	0.6	49.91	0.3
	1988	0	0.0	0.00	0.0	1	0.9	18.34	2.5	1	0.3	18.34	0.2
	TOTAL	9	1.2	98.25	0.1	7	0.3	50.96	1.7	16	0.6	149.21	0.1
WHITE CRAPPIE	1979	4	6.0	211.00	1.6	4	1.3	45.01	13.1	8	2.2	256.01	1.8
	1981	5	4.5	350.00	1.0	3	2.8	89.00	15.8	8	3.7	439.00	1.2
	1982	1	3.7	90.00	0.9	0	0.0	0.00	0.0	1	2.7	90.00	0.9
	1983	1	1.4	77.00	0.5	0	0.0	0.00	0.0	1	0.7	77.00	0.5
	1984	1	1.7	49.00	0.3	0	0.0	0.00	0.0	1	1.0	49.00	0.3
	TOTAL	12	3.6	777.00	0.9	7	1.3	134.01	13.3	19	2.2	911.01	1.0
BLACK CRAPPIE	1977	1	1.2	54.00	0.3	7	0.6	27.79	3.0	8	0.7	81.79	0.4
	1979	1	1.5	107.00	0.8	1	0.3	45.00	13.1	2	0.5	152.00	1.1
	1981	3	2.7	238.00	0.7	1	0.9	8.59	1.5	4	1.8	246.59	0.7
	TOTAL	5	1.9	399.00	0.6	9	0.6	81.38	4.4	14	0.8	480.38	0.7
JOHNNY DARTER	1977	0	0.0	0.00	0.0	11	1.0	5.98	0.6	11	0.9	5.98	0.0
	1978	0	0.0	0.00	0.0	1	2.5	0.17	0.3	1	1.3	0.17	0.0
	1979	0	0.0	0.00	0.0	5	1.7	2.05	0.6	5	1.4	2.05	0.0
	1983	0	0.0	0.00	0.0	2	2.9	1.47	2.7	2	1.4	1.47	0.0
	1985	0	0.0	0.00	0.0	4	0.7	2.61	0.4	4	0.5	2.61	0.0
	1986	0	0.0	0.00	0.0	1	0.7	0.20	0.1	1	0.4	0.20	0.0
	1987	0	0.0	0.00	0.0	1	1.5	0.40	0.9	1	0.8	0.40	0.0
	1988	0	0.0	0.00	0.0	1	0.9	0.43	0.1	1	0.3	0.43	0.0
	TOTAL	0	0.0	0.00	0.0	26	1.1	13.31	0.4	26	0.8	13.31	0.0
BANDED DARTER	1977	0	0.0	0.00	0.0	1	0.1	0.20	0.0	1	0.1	0.20	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.1	0.20	0.0	1	0.1	0.20	0.0
LOG PERCH	1988	1	0.5	3.32	0.0	1	0.9	2.78	0.4	2	0.7	6.10	0.1
	TOTAL	1	0.5	3.32	0.0	1	0.9	2.78	0.4	2	0.7	6.10	0.1
BLACKSIDE DARTER	1983	0	0.0	0.00	0.0	1	1.4	0.80	1.5	1	0.7	0.80	0.0
	1985	0	0.0	0.00	0.0	3	0.5	3.81	0.5	3	0.4	3.81	0.0
	TOTAL	0	0.0	0.00	0.0	4	0.6	4.61	0.6	4	0.4	4.61	0.0
SLENDERHEAD DARTER	1985	0	0.0	0.00	0.0	11	1.9	11.30	1.6	11	1.4	11.30	0.1
	1987	0	0.0	0.00	0.0	1	1.5	0.92	2.1	1	0.8	0.92	0.0
	1988	1	0.5	0.73	0.0	0	0.0	0.00	0.0	1	0.3	0.73	0.0
	TOTAL	1	0.2	0.73	0.0	12	1.6	12.22	0.8	13	1.1	12.95	0.0
WALLEYE	1977	4	4.9	171.00	0.9	0	0.0	0.00	0.0	4	0.3	171.00	0.9
	1979	1	1.5	365.00	2.7	0	0.0	0.00	0.0	1	0.3	365.00	2.6
	1984	1	1.7	590.00	3.5	0	0.0	0.00	0.0	1	1.0	590.00	3.4
	1985	3	1.4	115.00	0.7	0	0.0	0.00	0.0	3	0.4	115.00	0.7
	TOTAL	9	2.1	1241.00	1.9	0	0.0	0.00	0.0	9	0.4	1241.00	1.8

APPENDIX D-12. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		----ELECTROFISHING---- NO.	%NO.	WT(G)	%WT	--------SEINING-------- NO.	%NO.	WT(G)	%WT	----------TOTAL---------- NO.	%NO.	WT(G)	%WT
LONGNOSE GAR	1977	7	0.3	521.00	0.2	0	0.0	0.00	0.0	7	0.1	521.00	0.2
	1978	4	0.2	249.00	0.2	3	0.2	25.48	1.5	7	0.2	274.48	0.2
	1979	6	0.4	2059.53	1.2	1	0.0	11.67	0.3	7	0.2	2071.20	1.2
	1981	6	0.3	717.67	0.2	0	0.0	0.00	0.0	6	0.2	717.67	0.2
	1982	1	0.1	2.00	0.0	1	0.3	4.82	0.6	2	0.2	6.82	0.0
	1983	2	0.2	164.00	0.1	1	0.1	9.37	1.1	3	0.1	173.37	0.1
	1984	0	0.0	0.00	0.0	1	0.1	1.42	0.2	1	0.0	1.42	0.0
	1985	14	0.5	397.00	0.2	8	0.1	198.00	3.1	22	0.2	595.00	0.3
	1986	1	0.0	2.00	0.0	2	0.2	1.63	0.0	3	0.1	3.63	0.0
	1987	6	0.2	186.00	0.1	0	0.0	0.00	0.0	6	0.1	186.00	0.1
	1988	48	1.2	1456.00	0.7	2	0.1	27.16	0.4	50	0.8	1483.16	0.7
	TOTAL	95	0.4	5754.20	0.2	19	0.1	279.55	0.7	114	0.2	6033.75	0.2
BOWFIN	1978	2	0.1	116.00	0.1	0	0.0	0.00	0.0	2	0.1	116.00	0.1
	1981	3	0.1	320.00	0.1	0	0.0	0.00	0.0	3	0.1	320.00	0.1
	1982	2	0.3	1510.00	0.7	0	0.0	0.00	0.0	2	0.2	1510.00	0.7
	1987	2	0.1	1465.00	0.9	0	0.0	0.00	0.0	2	0.0	1465.00	0.9
	TOTAL	9	0.1	3411.00	0.4	0	0.0	0.00	0.0	9	0.1	3411.00	0.4
GIZZARD SHAD	1977	438	18.1	5928.28	2.1	120	1.3	205.07	3.0	558	4.8	6133.35	2.1
	1978	592	25.4	4759.11	3.7	5	0.4	54.97	3.2	597	16.1	4814.08	3.7
	1979	17	1.2	2316.41	1.3	2	0.1	0.94	0.0	19	0.4	2317.35	1.3
	1981	164	8.0	10396.09	2.7	15	1.2	49.23	1.3	179	5.5	10445.32	2.7
	1982	65	9.2	5600.31	2.5	1	0.3	4.97	0.7	66	6.2	5605.28	2.5
	1983	42	4.1	7269.20	3.5	0	0.0	0.00	0.0	42	1.9	7269.20	3.5
	1984	42	2.9	6262.59	2.9	1	0.1	1.13	0.1	43	1.5	6263.72	2.9
	1985	54	2.1	5678.42	2.7	0	0.0	0.00	0.0	54	0.5	5678.42	2.6
	1986	129	5.0	14697.04	7.2	5	0.5	8.76	0.2	134	3.8	14705.80	7.1
	1987	203	8.2	23863.76	14.3	80	3.5	23.59	0.9	283	6.0	23887.35	14.1
	1988	892	22.3	26570.31	12.7	65	3.2	771.33	10.5	957	15.8	27341.64	12.6
	TOTAL	2638	11.4	113342	4.7	294	1.0	1119.99	2.9	2932	5.5	114461.51	4.7
CENTRAL MUDMINNOW	1982	1	0.1	4.44	0.0	0	0.0	0.00	0.0	1	0.1	4.44	0.0
	TOTAL	1	0.1	4.44	0.0	0	0.0	0.00	0.0	1	0.1	4.44	0.0
GRASS PICKEREL	1977	12	0.5	240.00	0.1	6	0.1	119.32	1.7	18	0.2	359.32	0.1
	1978	34	1.5	750.35	0.6	5	0.4	25.20	1.5	39	1.0	775.55	0.6
	1979	10	0.7	326.00	0.2	0	0.0	0.00	0.0	10	0.2	326.00	0.2
	1981	32	1.6	528.00	0.1	10	0.8	78.64	2.2	42	1.3	606.64	0.2
	1982	0	0.0	0.00	0.0	1	0.3	2.00	0.3	1	0.1	2.00	0.0
	1983	3	0.3	141.00	0.1	2	0.2	10.82	1.3	5	0.2	151.82	0.1
	1984	10	0.7	281.91	0.1	2	0.1	25.03	2.7	12	0.4	306.94	0.1
	1985	6	0.2	494.00	0.2	0	0.0	0.00	0.0	6	0.1	494.00	0.2
	1986	16	0.6	167.50	0.1	11	1.1	132.92	3.4	27	0.8	300.42	0.1
	1987	6	0.2	164.55	0.1	3	0.1	31.09	1.2	9	0.2	195.64	0.1
	1988	1	0.0	15.00	0.0	2	0.1	28.34	0.4	3	0.0	43.34	0.0
	TOTAL	130	0.6	3108.31	0.1	42	0.1	453.36	1.2	172	0.3	3561.67	0.1
NORTHERN PIKE	1977	6	0.2	1704.00	0.6	0	0.0	0.00	0.0	6	0.1	1704.00	0.6
	1978	5	0.2	678.00	0.5	1	0.1	25.00	1.5	6	0.2	703.00	0.5
	1979	11	0.8	2863.00	1.7	1	0.0	30.00	0.9	12	0.3	2893.00	1.6
	1981	13	0.6	6136.00	1.6	3	0.2	265.00	7.3	16	0.5	6401.00	1.6
	1982	9	1.3	6652.00	3.0	1	0.3	335.00	45.1	10	0.9	6987.00	3.2
	1983	5	0.5	2176.00	1.1	0	0.0	0.00	0.0	5	0.2	2176.00	1.1
	1984	12	0.8	2389.00	1.1	0	0.0	0.00	0.0	12	0.4	2389.00	1.1
	1985	5	0.2	1468.00	0.7	0	0.0	0.00	0.0	5	0.1	1468.00	0.7
	1986	8	0.3	2616.00	1.3	0	0.0	0.00	0.0	8	0.2	2616.00	1.3
	1987	9	0.4	7820.00	4.7	0	0.0	0.00	0.0	9	0.2	7820.00	4.6
	TOTAL	83	0.4	34502.00	1.6	6	0.0	655.00	2.1	89	0.2	35157.00	1.6
CENTRAL STONEROLLER	1977	1	0.0	2.79	0.0	0	0.0	0.00	0.0	1	0.0	2.79	0.0
	1979	0	0.0	0.00	0.0	2	0.1	1.20	0.0	2	0.0	1.20	0.0
	1982	0	0.0	0.00	0.0	1	0.3	0.96	0.1	1	0.1	0.96	0.0
	1983	0	0.0	0.00	0.0	1	0.1	0.51	0.1	1	0.0	0.51	0.0
	1985	4	0.2	6.35	0.0	4	0.1	6.34	0.1	8	0.1	12.69	0.0
	1986	1	0.0	1.02	0.0	1	0.1	0.82	0.0	2	0.1	1.84	0.0
	TOTAL	6	0.1	10.16	0.0	9	0.0	9.83	0.0	15	0.0	19.99	0.0
GOLDFISH	1981	1	0.0	165.00	0.0	0	0.0	0.00	0.0	1	0.0	165.00	0.0
	1987	1	0.0	52.00	0.0	0	0.0	0.00	0.0	1	0.0	52.00	0.0
	TOTAL	2	0.0	217.00	0.0	0	0.0	0.00	0.0	2	0.0	217.00	0.0
GARP	1977	92	3.8	71317.47	24.8	4	0.0	60.43	0.9	96	0.8	71377.90	24.2
	1978	40	1.7	29569.00	22.8	2	0.1	185.80	11.0	42	1.1	29754.80	22.6
	1979	25	1.8	24420.00	14.1	0	0.0	0.00	0.0	25	0.6	24420.00	13.9
	1981	89	4.3	63990.82	16.5	3	0.2	367.35	10.1	92	2.8	64358.17	16.5
	1982	49	7.0	59589.00	27.0	0	0.0	0.00	0.0	49	4.6	59589.00	26.9
	1983	29	2.8	22068.60	10.7	0	0.0	0.00	0.0	29	1.3	22068.60	10.7
	1984	17	1.2	10082.00	4.7	0	0.0	0.00	0.0	17	0.6	10082.00	4.7
	1985	10	0.4	20438.00	9.5	0	0.0	0.00	0.0	10	0.1	20438.00	9.3
	1986	9	0.3	13610.00	6.7	1	0.1	0.71	0.0	10	0.3	13610.71	6.6
	1987	13	0.5	13185.00	7.9	0	0.0	0.00	0.0	13	0.3	13185.00	7.8
	1988	144	3.6	22252.76	10.6	2	0.1	60.95	0.8	146	2.4	22313.71	10.3
	TOTAL	517	2.2	350523	14.5	12	0.0	675.24	1.8	529	1.0	351197.89	14.3
SILVERJAW MINNOW	1977	0	0.0	0.00	0.0	1	0.0	0.38	0.0	1	0.0	0.38	0.0
	1978	4	0.2	3.21	0.0	21	1.5	9.84	0.6	25	0.7	13.05	0.0
	1979	0	0.0	0.00	0.0	41	1.3	22.26	0.6	41	0.9	22.26	0.0
	1982	1	0.1	1.44	0.0	0	0.0	0.00	0.0	1	0.1	1.44	0.0
	1983	0	0.0	0.00	0.0	1	0.1	0.43	0.1	1	0.0	0.43	0.0
	1984	1	0.1	1.63	0.0	0	0.0	0.00	0.0	1	0.0	1.63	0.0
	1985	0	0.0	0.00	0.0	8	0.1	3.83	0.1	8	0.1	3.83	0.0
	1986	1	0.0	0.57	0.0	0	0.0	0.00	0.0	1	0.0	0.57	0.0
	1987	0	0.0	0.00	0.0	4	0.2	0.74	0.0	4	0.1	0.74	0.0
	TOTAL	7	0.0	6.85	0.0	76	0.3	37.48	0.1	83	0.2	44.33	0.0
HORNYHEAD CHUB	1977	1	0.0	15.28	0.0	18	0.2	8.92	0.1	19	0.2	24.20	0.0
	1978	0	0.0	0.00	0.0	4	0.3	1.23	0.1	4	0.1	1.23	0.0
	1979	1	0.1	5.17	0.0	19	0.6	10.50	0.3	20	0.5	15.67	0.0
	1983	0	0.0	0.00	0.0	2	0.2	0.44	0.1	2	0.1	0.44	0.0
	1984	0	0.0	0.00	0.0	8	0.5	1.79	0.2	8	0.3	1.79	0.0
	1985	13	0.5	104.77	0.0	69	0.9	57.10	0.9	82	0.8	161.87	0.1
	1986	1	0.0	6.61	0.0	2	0.2	7.91	0.2	3	0.1	14.52	0.0
	1987	2	0.1	26.67	0.0	7	0.3	4.39	0.2	9	0.2	31.06	0.0
	1988	7	0.2	12.02	0.0	11	0.5	20.72	0.3	18	0.3	32.74	0.0
	TOTAL	25	0.1	170.52	0.0	140	0.5	113.00	0.3	165	0.3	283.52	0.0

APPENDIX D-12 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	%NO.	WT(G)	%WT	SEINING NO.	%NO.	WT(G)	%WT	TOTAL NO.	%NO.	WT(G)	%WT
PALLID CHUB	1978	0	0.0	0.00	0.0	1	0.1	0.42	0.0	1	0.0	0.42	0.0
	1979	0	0.0	0.00	0.0	9	0.3	3.81	0.1	9	0.2	3.81	0.0
	1981	0	0.0	0.00	0.0	3	0.2	0.79	0.0	3	0.1	0.79	0.0
	1982	0	0.0	0.00	0.0	2	0.5	0.62	0.1	2	0.2	0.62	0.0
	1983	0	0.0	0.00	0.0	1	0.1	0.46	0.1	1	0.0	0.46	0.0
	1984	0	0.0	0.00	0.0	49	3.4	9.28	1.0	49	1.7	9.28	0.0
	1985	1	0.0	0.63	0.0	15	0.2	6.63	0.1	16	0.2	7.26	0.0
	1986	0	0.0	0.00	0.0	4	0.4	0.94	0.0	4	0.1	0.94	0.0
	TOTAL	1	0.0	0.63	0.0	84	0.5	22.95	0.1	85	0.3	23.58	0.0
GOLDEN SHINER	1977	2	0.1	45.00	0.0	2	0.0	0.87	0.0	4	0.0	45.87	0.0
	1978	5	0.2	47.73	0.0	1	0.1	1.46	0.1	6	0.2	49.19	0.0
	1979	6	0.4	75.02	0.0	8	0.3	5.77	0.2	14	0.3	80.79	0.0
	1981	6	0.3	81.50	0.0	1	0.1	0.27	0.0	7	0.2	81.77	0.0
	1982	2	0.3	16.11	0.0	4	1.1	4.09	0.6	6	0.6	20.20	0.0
	1983	1	0.1	7.48	0.0	0	0.0	0.00	0.0	1	0.0	7.48	0.0
	1984	3	0.2	28.00	0.0	1	0.1	0.52	0.1	4	0.1	28.52	0.0
	1985	4	0.2	51.39	0.0	1	0.0	5.65	0.1	5	0.1	57.04	0.0
	1986	1	0.0	2.48	0.0	0	0.0	0.00	0.0	1	0.0	2.48	0.0
	1987	4	0.2	32.84	0.0	0	0.0	0.00	0.0	4	0.1	32.84	0.0
	1988	2	0.0	70.00	0.0	0	0.0	0.00	0.0	2	0.0	70.00	0.0
	TOTAL	36	0.2	457.55	0.0	18	0.1	18.63	0.0	54	0.1	476.18	0.0
EMERALD SHINER	1977	10	0.4	43.91	0.0	5	0.1	2.61	0.0	15	0.1	46.52	0.0
	1979	1	0.1	14.00	0.0	0	0.0	0.00	0.0	1	0.0	14.00	0.0
	1983	3	0.3	16.74	0.0	0	0.0	0.00	0.0	3	0.1	16.74	0.0
	1984	3	0.2	8.69	0.0	0	0.0	0.00	0.0	3	0.1	8.69	0.0
	1985	0	0.0	0.00	0.0	29	0.4	2.89	0.0	29	0.3	2.89	0.0
	1986	1	0.0	7.42	0.0	2	0.2	0.37	0.0	3	0.1	7.79	0.0
	1987	0	0.0	0.00	0.0	16	0.7	3.76	0.1	16	0.3	3.76	0.0
	TOTAL	18	0.1	90.76	0.0	52	0.2	9.63	0.0	70	0.2	100.39	0.0
GHOST SHINER	1981	0	0.0	0.00	0.0	1	0.1	0.46	0.0	1	0.0	0.46	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.1	0.46	0.0	1	0.0	0.46	0.0
STRIPED SHINER	1977	0	0.0	0.00	0.0	119	1.3	63.72	0.9	119	1.0	63.72	0.0
	1978	4	0.2	21.96	0.0	164	11.8	59.66	3.5	168	4.5	81.62	0.1
	1979	0	0.0	0.00	0.0	99	3.3	21.49	0.6	99	2.2	21.49	0.0
	1981	0	0.0	0.00	0.0	1	0.1	0.27	0.0	1	0.0	0.27	0.0
	1982	1	0.1	7.07	0.0	82	22.2	58.86	7.9	83	7.7	65.93	0.0
	1983	1	0.1	0.47	0.0	393	33.7	122.02	14.5	394	18.0	122.49	0.1
	1984	2	0.1	7.94	0.0	276	19.0	71.34	7.7	278	9.5	79.28	0.0
	1985	39	1.5	119.85	0.1	840	11.5	385.61	6.1	879	8.9	505.46	0.2
	1986	18	0.7	70.53	0.0	48	5.0	21.27	0.6	66	1.9	91.80	0.0
	1987	18	0.7	50.70	0.0	62	2.7	17.00	0.6	80	1.7	67.70	0.0
	1988	225	5.6	380.44	0.2	122	6.0	91.42	1.3	347	5.7	471.86	0.2
	TOTAL	308	1.3	658.96	0.0	2206	7.3	912.66	2.4	2514	4.7	1571.62	0.1
BIGMOUTH SHINER	1977	0	0.0	0.00	0.0	2	0.0	1.01	0.0	2	0.0	1.01	0.0
	TOTAL	0	0.0	0.00	0.0	2	0.0	1.01	0.0	2	0.0	1.01	0.0
RED SHINER	1977	0	0.0	0.00	0.0	1	0.0	2.16	0.0	1	0.0	2.16	0.0
	1979	0	0.0	0.00	0.0	2	0.1	1.48	0.0	2	0.0	1.48	0.0
	1981	2	0.1	6.50	0.0	1	0.1	2.21	0.1	3	0.1	8.71	0.0
	1983	3	0.3	5.98	0.0	0	0.0	0.00	0.0	3	0.1	5.98	0.0
	1984	0	0.0	0.00	0.0	1	0.1	0.45	0.0	1	0.0	0.45	0.0
	1985	3	0.1	15.82	0.0	8	0.1	10.13	0.2	11	0.1	25.95	0.0
	1986	0	0.0	0.00	0.0	1	0.1	0.88	0.0	1	0.0	0.88	0.0
	1987	0	0.0	0.00	0.0	1	0.0	0.61	0.0	1	0.0	0.61	0.0
	TOTAL	8	0.0	28.30	0.0	15	0.1	17.92	0.1	23	0.1	46.22	0.0
ROSYFACE SHINER	1977	20	0.8	26.22	0.0	609	6.6	244.62	3.5	629	5.4	270.84	0.1
	1978	7	0.3	8.58	0.0	96	6.9	44.16	2.6	103	2.8	52.74	0.0
	1979	1	0.1	2.05	0.0	139	4.6	50.09	1.4	140	3.2	52.14	0.0
	1981	4	0.2	12.99	0.0	5	0.4	5.96	0.2	9	0.3	18.95	0.0
	1982	3	0.4	3.38	0.0	67	18.2	27.32	3.7	70	6.5	30.70	0.0
	1983	11	1.1	5.59	0.0	4	0.3	0.47	0.1	15	0.7	6.06	0.0
	1984	0	0.0	0.00	0.0	157	10.8	24.86	2.7	157	5.4	24.86	0.0
	1985	11	0.4	6.13	0.0	317	4.4	79.48	1.2	328	3.3	85.61	0.0
	1986	19	0.7	27.64	0.0	8	0.8	1.14	0.0	27	0.8	28.78	0.0
	1987	20	0.8	35.46	0.0	18	0.8	4.23	0.2	38	0.8	39.69	0.0
	1988	160	4.0	140.95	0.1	250	12.2	194.82	2.7	410	6.8	335.77	0.2
	TOTAL	256	1.1	268.99	0.0	1670	5.5	677.15	1.8	1926	3.6	946.14	0.0
SPOTFIN SHINER	1977	130	5.4	552.18	0.2	1929	20.9	1430.48	20.6	2059	17.7	1982.66	0.7
	1978	50	2.1	184.55	0.1	87	6.3	154.85	9.1	137	3.7	339.40	0.3
	1979	32	2.3	130.37	0.1	1010	33.2	824.88	23.9	1042	23.5	955.25	0.5
	1981	51	2.5	164.91	0.0	283	23.2	261.00	7.2	334	10.2	425.91	0.1
	1982	21	3.0	89.41	0.0	20	5.4	57.94	7.8	41	3.8	147.35	0.1
	1983	85	8.3	279.17	0.1	170	14.6	183.91	21.8	255	11.6	463.08	0.2
	1984	56	3.8	134.70	0.1	361	24.8	345.98	37.3	417	14.3	480.68	0.2
	1985	147	5.6	540.48	0.3	1195	16.4	701.92	11.0	1342	13.5	1242.40	0.6
	1986	79	3.0	145.99	0.1	87	9.0	88.03	2.3	166	4.7	234.02	0.1
	1987	369	14.9	448.48	0.3	669	29.7	355.20	13.2	1038	21.9	803.68	0.5
	1988	79	2.0	224.82	0.1	87	4.2	55.54	0.8	166	2.7	280.36	0.1
	TOTAL	1099	4.8	2895.06	0.1	5898	19.4	4459.73	11.6	6997	13.1	7354.79	0.3
SAND SHINER	1977	5	0.2	5.09	0.0	615	6.7	234.11	3.4	620	5.3	239.20	0.1
	1978	3	0.1	3.72	0.0	270	19.5	87.61	5.2	273	7.3	91.33	0.1
	1979	0	0.0	0.00	0.0	491	16.1	282.14	8.2	491	11.1	282.14	0.2
	1981	3	0.1	2.15	0.0	165	13.5	99.25	2.7	168	5.1	101.40	0.0
	1982	2	0.3	6.29	0.0	19	5.1	7.02	0.9	21	2.0	13.31	0.0
	1983	28	2.7	36.07	0.0	136	11.7	81.46	9.7	164	7.5	117.53	0.1
	1984	6	0.4	5.68	0.0	89	6.1	37.90	4.1	95	3.2	43.58	0.0
	1985	26	1.0	36.84	0.0	792	10.9	300.41	4.7	818	8.3	337.25	0.2
	1986	57	2.2	57.84	0.0	56	5.8	26.34	0.7	113	3.2	84.18	0.0
	1987	54	2.2	39.78	0.0	212	9.4	119.03	4.4	266	5.6	158.81	0.1
	1988	34	0.8	46.65	0.0	222	10.8	51.16	0.7	256	4.2	97.81	0.0
	TOTAL	218	0.9	240.11	0.0	3067	10.1	1326.43	3.4	3285	6.1	1566.54	0.1
REDFIN SHINER	1977	0	0.0	0.00	0.0	222	2.4	42.26	0.6	222	1.9	42.26	0.0
	1978	1	0.0	1.86	0.0	9	0.6	8.58	0.5	10	0.3	10.44	0.0
	1979	0	0.0	0.00	0.0	7	0.2	5.99	0.2	7	0.2	5.99	0.0
	1981	0	0.0	0.00	0.0	51	4.2	31.12	0.9	51	1.6	31.12	0.0
	1982	1	0.1	1.93	0.0	7	1.9	6.29	0.8	8	0.7	8.22	0.0
	1984	1	0.1	1.11	0.0	5	0.3	4.34	0.5	6	0.2	5.45	0.0
	1985	1	0.0	0.86	0.0	17	0.2	17.65	0.3	18	0.2	18.51	0.0
	1986	6	0.2	5.62	0.0	23	2.4	17.33	0.4	29	0.8	22.95	0.0
	1987	10	0.4	7.53	0.0	18	0.8	12.70	0.5	28	0.6	20.23	0.0
	1988	28	0.7	25.51	0.0	70	3.4	74.30	1.0	98	1.6	99.81	0.0
	TOTAL	48	0.2	44.42	0.0	429	1.5	220.56	0.6	477	0.9	264.98	0.0

APPENDIX D-12 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	%NO.	WT(G)	%WT	SEINING NO.	%NO.	WT(G)	%WT	TOTAL NO.	%NO.	WT(G)	%WT
MIMIC SHINER	1977	0	0.0	0.00	0.0	29	0.3	12.22	0.2	29	0.2	12.22	0.0
	1981	0	0.0	0.00	0.0	32	2.6	14.32	0.4	32	1.0	14.32	0.0
	1982	0	0.0	0.00	0.0	4	1.1	4.35	0.6	4	0.4	4.35	0.0
	1984	3	0.2	3.24	0.0	0	0.0	0.00	0.0	3	0.1	3.24	0.0
	1985	1	0.0	0.80	0.0	8	0.1	8.77	0.1	9	0.1	9.57	0.0
	1986	6	0.2	5.69	0.0	10	1.0	7.11	0.2	16	0.4	12.80	0.0
	1987	63	2.5	49.90	0.0	128	5.7	83.91	3.1	191	4.0	133.81	0.1
	1988	33	0.8	44.12	0.0	1	0.0	0.59	0.0	34	0.6	44.71	0.0
	TOTAL	106	0.6	103.75	0.0	212	0.9	131.27	0.4	318	0.7	235.02	0.0
SUCKERMOUTH MINNOW	1978	2	0.1	1.17	0.0	19	1.4	7.75	0.5	21	0.6	8.92	0.0
	1979	1	0.1	0.65	0.0	77	2.5	33.95	1.0	78	1.8	34.60	0.0
	1981	0	0.0	0.00	0.0	17	1.4	3.79	0.1	17	0.5	3.79	0.0
	1982	1	0.1	1.85	0.0	11	3.0	5.76	0.8	12	1.1	7.61	0.0
	1983	6	0.6	4.94	0.0	36	3.1	16.77	2.0	42	1.9	21.71	0.0
	1984	0	0.0	0.00	0.0	15	1.0	4.53	0.5	15	0.5	4.53	0.0
	1985	7	0.3	17.78	0.0	40	0.5	35.91	0.6	47	0.5	53.69	0.0
	1986	6	0.2	4.52	0.0	6	0.6	2.00	0.1	12	0.3	6.52	0.0
	1987	4	0.2	3.12	0.0	13	0.6	9.88	0.4	17	0.4	13.00	0.0
	1988	5	0.1	5.11	0.0	2	0.1	2.24	0.0	7	0.1	7.35	0.0
	TOTAL	32	0.2	39.14	0.0	236	1.1	122.58	0.4	268	0.6	161.72	0.0
BLUNTNOSE MINNOW	1977	50	2.1	118.56	0.0	1199	13.0	647.37	9.3	1249	10.7	765.93	0.3
	1978	113	4.9	261.39	0.2	447	32.2	559.78	33.0	560	15.1	821.17	0.6
	1979	37	2.7	133.25	0.1	777	25.5	740.86	21.4	814	18.3	874.11	0.5
	1981	16	0.8	40.26	0.0	236	19.3	181.40	5.0	252	7.7	221.66	0.1
	1982	8	1.1	21.25	0.0	39	10.6	34.55	4.7	47	4.4	55.80	0.0
	1983	30	2.9	45.10	0.0	185	15.9	118.36	14.0	215	9.8	163.46	0.1
	1984	69	4.7	115.32	0.1	148	10.2	83.61	9.0	217	7.4	198.93	0.1
	1985	222	8.4	524.24	0.2	2134	29.3	1522.10	23.9	2356	23.8	2046.34	0.9
	1986	320	12.3	502.13	0.2	422	43.6	407.34	10.5	742	20.8	909.47	0.4
	1987	236	9.5	327.50	0.2	388	17.2	296.30	11.0	624	13.2	623.80	0.4
	1988	186	4.6	410.97	0.2	209	10.2	194.13	2.7	395	6.5	605.10	0.3
	TOTAL	1287	5.6	2499.97	0.1	6184	20.3	4785.80	12.4	7471	14.0	7285.77	0.3
FATHEAD MINNOW	1977	0	0.0	0.00	0.0	1	0.0	0.50	0.0	1	0.0	0.50	0.0
	1978	0	0.0	0.00	0.0	1	0.1	1.62	0.1	1	0.0	1.62	0.0
	1979	0	0.0	0.00	0.0	1	0.0	3.36	0.1	1	0.0	3.36	0.0
	1981	2	0.1	11.80	0.0	0	0.0	0.00	0.0	2	0.1	11.80	0.0
	1985	0	0.0	0.00	0.0	1	0.0	0.30	0.0	1	0.0	0.30	0.0
	1986	0	0.0	0.00	0.0	1	0.1	0.57	0.0	1	0.0	0.57	0.0
	TOTAL	2	0.0	11.80	0.0	5	0.0	6.35	0.0	7	0.0	18.15	0.0
BULLHEAD MINNOW	1977	147	6.1	399.03	0.1	1058	11.5	779.30	11.2	1205	10.4	1178.33	0.4
	1978	35	1.5	84.63	0.1	52	3.7	60.66	3.6	87	2.3	145.29	0.1
	1979	25	1.8	83.50	0.0	62	2.0	84.05	2.4	87	2.0	167.55	0.1
	1981	6	0.3	29.18	0.0	142	11.6	90.01	2.5	148	4.5	119.19	0.0
	1982	2	0.3	5.54	0.0	12	3.3	11.33	1.5	14	1.3	16.87	0.0
	1983	8	0.8	19.74	0.0	51	4.4	20.15	2.4	59	2.7	39.89	0.0
	1984	11	0.7	41.28	0.0	229	15.7	35.22	3.8	240	8.2	76.50	0.0
	1985	53	2.0	174.53	0.1	338	4.6	561.68	8.8	391	3.9	736.21	0.3
	1986	8	0.3	11.30	0.0	9	0.9	9.77	0.3	17	0.5	21.07	0.0
	1987	31	1.3	44.27	0.0	243	10.8	77.43	2.9	274	5.8	121.70	0.1
	1988	16	0.4	51.03	0.0	10	0.5	13.27	0.2	26	0.4	64.30	0.0
	TOTAL	342	1.5	944.03	0.0	2206	7.3	1742.87	4.5	2548	4.8	2686.90	0.1
CREEK CHUB	1978	2	0.1	2.97	0.0	8	0.6	5.47	0.3	10	0.3	8.44	0.0
	1979	0	0.0	0.00	0.0	18	0.6	11.01	0.3	18	0.4	11.01	0.0
	1982	0	0.0	0.00	0.0	1	0.3	0.54	0.1	1	0.1	0.54	0.0
	1983	0	0.0	0.00	0.0	13	1.1	5.11	0.6	13	0.6	5.11	0.0
	1985	2	0.1	2.78	0.0	70	1.0	63.80	1.0	72	0.7	66.58	0.0
	1987	1	0.0	1.05	0.0	0	0.0	0.00	0.0	1	0.0	1.05	0.0
	TOTAL	5	0.0	6.80	0.0	110	0.7	85.93	0.5	115	0.4	92.73	0.0
UNIDENTIFIED MINNOWS	1977	0	0.0	0.00	0.0	2462	26.7	153.68	2.2	2462	21.2	153.68	0.1
	1978	0	0.0	0.00	0.0	8	0.6	0.49	0.0	8	0.2	0.49	0.0
	1979	0	0.0	0.00	0.0	2	0.1	0.03	0.0	2	0.0	0.03	0.0
	1982	0	0.0	0.00	0.0	2	0.5	0.10	0.0	2	0.2	0.10	0.0
	1983	0	0.0	0.00	0.0	24	2.1	1.30	0.2	24	1.1	1.30	0.0
	1984	0	0.0	0.00	0.0	12	0.8	0.83	0.1	12	0.4	0.83	0.0
	TOTAL	0	0.0	0.00	0.0	2510	15.1	156.43	1.1	2510	9.7	156.43	0.0
RIVER CARPSUCKER	1977	0	0.0	0.00	0.0	1	0.0	2.15	0.0	1	0.0	2.15	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.0	2.15	0.0	1	0.0	2.15	0.0
QUILLBACK	1977	42	1.7	13604.33	4.7	4	0.0	14.55	0.2	46	0.4	13618.88	4.6
	1978	52	2.2	20226.27	15.6	0	0.0	0.00	0.0	52	1.4	20226.27	15.4
	1979	47	3.4	16040.41	9.3	0	0.0	0.00	0.0	47	1.1	16040.41	9.1
	1981	45	2.2	16877.00	4.4	0	0.0	0.00	0.0	45	1.4	16877.00	4.3
	1982	43	6.1	20665.00	9.4	0	0.0	0.00	0.0	43	4.0	20665.00	9.3
	1983	138	13.5	79032.08	38.4	0	0.0	0.00	0.0	138	6.3	79032.08	38.3
	1984	106	7.2	60676.00	28.3	0	0.0	0.00	0.0	106	3.6	60676.00	28.2
	1985	59	2.2	29829.99	13.9	5	0.1	9.31	0.1	64	0.6	29839.30	13.5
	1986	46	1.8	27467.91	13.5	3	0.3	9.99	0.3	49	1.4	27477.90	13.3
	1987	36	1.5	22748.70	13.6	0	0.0	0.00	0.0	36	0.8	22748.70	13.4
	1988	43	1.1	21421.06	10.2	18	0.9	59.22	0.8	61	1.0	21480.28	9.9
	TOTAL	657	2.8	328589	13.6	30	0.1	93.07	0.2	687	1.3	328681.82	13.4
WHITE SUCKER	1977	15	0.6	3904.00	1.4	1	0.0	55.00	0.8	16	0.1	3959.00	1.3
	1978	2	0.1	372.00	0.3	0	0.0	0.00	0.0	2	0.1	372.00	0.3
	1979	11	0.8	3609.00	2.1	1	0.0	0.40	0.0	12	0.3	3609.40	2.0
	1981	5	0.2	1740.00	0.4	0	0.0	0.00	0.0	5	0.2	1740.00	0.4
	1982	8	1.1	3119.59	1.4	0	0.0	0.00	0.0	8	0.7	3119.59	1.4
	1983	18	1.8	6693.00	3.3	0	0.0	0.00	0.0	18	0.8	6693.00	3.2
	1984	2	0.1	885.00	0.4	0	0.0	0.00	0.0	2	0.1	885.00	0.4
	1985	9	0.3	2246.62	1.0	2	0.0	5.15	0.1	11	0.1	2251.77	1.0
	1986	1	0.0	430.00	0.2	0	0.0	0.00	0.0	1	0.0	430.00	0.2
	1987	1	0.0	320.00	0.2	0	0.0	0.00	0.0	1	0.0	320.00	0.2
	1988	1	0.0	4.52	0.0	0	0.0	0.00	0.0	1	0.0	4.52	0.0
	TOTAL	73	0.3	23323.73	1.0	4	0.0	60.55	0.2	77	0.1	23384.28	1.0
LAKE CHUBSUCKER	1977	0	0.0	0.00	0.0	1	0.0	0.10	0.0	1	0.0	0.10	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.0	0.10	0.0	1	0.0	0.10	0.0
NORTHERN HOGSUCKER	1977	3	0.1	1346.00	0.5	0	0.0	0.00	0.0	3	0.0	1346.00	0.5
	1978	3	0.1	935.56	0.7	0	0.0	0.00	0.0	3	0.1	935.56	0.7
	1979	8	0.6	3050.00	1.8	3	0.1	4.25	0.1	11	0.2	3054.25	1.7
	1981	18	0.9	7615.00	2.0	0	0.0	0.00	0.0	18	0.6	7615.00	1.9
	1982	18	2.6	6793.94	3.1	0	0.0	0.00	0.0	18	1.7	6793.94	3.1
	1983	27	2.6	8475.64	4.1	0	0.0	0.00	0.0	27	1.2	8475.64	4.1
	1984	33	2.2	16421.00	7.7	0	0.0	0.00	0.0	33	1.1	16421.00	7.6
	1985	37	1.4	10931.79	5.1	8	0.1	18.47	0.3	45	0.5	10950.26	5.0
	1986	21	0.8	5285.00	2.6	0	0.0	0.00	0.0	21	0.6	5285.00	2.6
	1987	10	0.4	3835.00	2.3	0	0.0	0.00	0.0	10	0.2	3835.00	2.3
	1988	33	0.8	13786.12	6.6	1	0.0	9.25	0.1	34	0.6	13795.37	6.4
	TOTAL	211	0.9	78475.05	3.3	12	0.0	31.97	0.1	223	0.4	78507.02	3.2

APPENDIX D-12 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	%NO.	WT(G)	%WT	SEINING NO.	%NO.	WT(G)	%WT	TOTAL NO.	%NO.	WT(G)	%WT
SMALLMOUTH BUFFALO	1977	1	0.0	570.00	0.2	0	0.0	0.00	0.0	1	0.0	570.00	0.2
	1981	1	0.0	345.00	0.1	0	0.0	0.00	0.0	1	0.0	345.00	0.1
	1983	1	0.1	565.00	0.3	0	0.0	0.00	0.0	1	0.0	565.00	0.3
	1987	0	0.0	0.00	0.0	1	0.0	3.24	0.1	1	0.0	3.24	0.0
	1988	6	0.1	323.12	0.2	0	0.0	0.00	0.0	6	0.1	323.12	0.1
	TOTAL	9	0.1	1803.12	0.1	1	0.0	3.24	0.0	10	0.0	1806.36	0.1
BIGMOUTH BUFFALO	1978	2	0.1	426.00	0.3	0	0.0	0.00	0.0	2	0.1	426.00	0.3
	1979	2	0.1	2620.00	1.5	0	0.0	0.00	0.0	2	0.0	2620.00	1.5
	1981	1	0.0	400.00	0.1	0	0.0	0.00	0.0	1	0.0	400.00	0.1
	1982	2	0.3	1070.00	0.5	0	0.0	0.00	0.0	2	0.2	1070.00	0.5
	1983	4	0.4	4891.00	2.4	0	0.0	0.00	0.0	4	0.2	4891.00	2.4
	1984	1	0.1	1140.00	0.5	0	0.0	0.00	0.0	1	0.0	1140.00	0.5
	TOTAL	12	0.1	10547.00	0.8	0	0.0	0.00	0.0	12	0.1	10547.00	0.8
SPOTTED SUCKER	1977	1	0.0	3.87	0.0	0	0.0	0.00	0.0	1	0.0	3.87	0.0
	1978	1	0.0	42.00	0.0	0	0.0	0.00	0.0	1	0.0	42.00	0.0
	1981	1	0.0	510.00	0.1	0	0.0	0.00	0.0	1	0.0	510.00	0.1
	1985	3	0.1	2.24	0.0	1	0.0	0.62	0.0	4	0.0	2.86	0.0
	1986	2	0.1	39.44	0.0	0	0.0	0.00	0.0	2	0.1	39.44	0.0
	TOTAL	8	0.1	597.55	0.0	1	0.0	0.62	0.0	9	0.0	598.17	0.0
SILVER REDHORSE	1977	19	0.8	8060.38	2.8	3	0.0	16.70	0.2	22	0.2	8077.08	2.7
	1978	24	1.0	11947.04	9.2	3	0.2	1.69	0.1	27	0.7	11948.73	9.1
	1979	20	1.4	11038.00	6.4	4	0.1	7.56	0.2	24	0.5	11045.56	6.3
	1981	54	2.6	27963.00	7.2	1	0.1	24.39	0.7	55	1.7	27987.39	7.2
	1982	45	6.4	39061.00	17.7	1	0.3	1.63	0.2	46	4.3	39062.63	17.6
	1983	22	2.1	12184.00	5.9	0	0.0	0.00	0.0	22	1.0	12184.00	5.9
	1984	38	2.6	28824.00	13.5	0	0.0	0.00	0.0	38	1.3	28824.00	13.4
	1985	25	0.9	4468.75	2.1	16	0.2	45.27	0.7	41	0.4	4514.02	2.0
	1986	18	0.7	7724.00	3.8	0	0.0	0.00	0.0	18	0.5	7724.00	3.7
	1988	31	0.8	851.05	0.4	1	0.0	2.00	0.0	32	0.5	853.05	0.4
	TOTAL	296	1.4	152121	6.8	29	0.1	99.24	0.3	325	0.7	152220.46	6.7
RIVER REDHORSE	1977	69	2.9	5718.00	2.0	1	0.0	2.52	0.0	70	0.6	5720.52	1.9
	1978	10	0.4	1324.00	1.0	0	0.0	0.00	0.0	10	0.3	1324.00	1.0
	1979	46	3.3	3697.30	2.1	0	0.0	0.00	0.0	46	1.0	3697.30	2.1
	1981	26	1.3	12476.00	3.2	0	0.0	0.00	0.0	26	0.8	12476.00	3.2
	1982	10	1.4	9143.00	4.1	0	0.0	0.00	0.0	10	0.9	9143.00	4.1
	1983	4	0.4	1142.00	0.6	0	0.0	0.00	0.0	4	0.2	1142.00	0.6
	1984	5	0.3	4230.00	2.0	0	0.0	0.00	0.0	5	0.2	4230.00	2.0
	1985	18	0.7	622.58	0.3	0	0.0	0.00	0.0	18	0.2	622.58	0.3
	1986	102	3.9	5664.12	2.8	1	0.1	21.00	0.5	103	2.9	5685.12	2.8
	1987	17	0.7	2633.00	1.6	0	0.0	0.00	0.0	17	0.4	2633.00	1.5
	1988	9	0.2	3252.74	1.5	0	0.0	0.00	0.0	9	0.1	3252.74	1.5
	TOTAL	316	1.4	49902.74	2.1	2	0.0	23.52	0.1	318	0.6	49926.26	2.0
BLACK REDHORSE	1979	10	0.7	862.00	0.5	0	0.0	0.00	0.0	10	0.2	862.00	0.5
	1981	6	0.3	1340.00	0.3	0	0.0	0.00	0.0	6	0.2	1340.00	0.3
	1982	3	0.4	755.00	0.3	0	0.0	0.00	0.0	3	0.3	755.00	0.3
	1983	4	0.4	1308.00	0.6	0	0.0	0.00	0.0	4	0.2	1308.00	0.6
	1985	6	0.2	648.21	0.3	0	0.0	0.00	0.0	6	0.1	648.21	0.3
	1986	2	0.1	238.02	0.1	0	0.0	0.00	0.0	2	0.1	238.02	0.1
	1988	5	0.1	1414.38	0.7	0	0.0	0.00	0.0	5	0.1	1414.38	0.7
	TOTAL	36	0.2	6565.61	0.4	0	0.0	0.00	0.0	36	0.1	6565.61	0.4
GOLDEN REDHORSE	1977	221	9.1	55900.61	19.4	2	0.0	87.50	1.3	223	1.9	55988.11	19.0
	1978	83	3.6	12786.32	9.9	1	0.1	1.34	0.1	84	2.3	12787.66	9.7
	1979	175	12.5	25711.68	14.9	2	0.1	43.24	1.3	177	4.0	25754.92	14.6
	1981	317	15.5	58659.70	15.1	2	0.2	105.95	2.9	319	9.8	58765.65	15.0
	1982	83	11.8	26005.00	11.8	0	0.0	0.00	0.0	83	7.7	26005.00	11.7
	1983	67	6.5	25387.00	12.3	0	0.0	0.00	0.0	67	3.1	25387.00	12.3
	1984	205	13.9	40427.25	18.9	0	0.0	0.00	0.0	205	7.0	40427.25	18.8
	1985	252	9.6	36241.04	16.9	388	5.3	491.56	7.7	640	6.5	36732.60	16.7
	1986	323	12.4	54488.32	26.9	10	1.0	498.16	12.9	333	9.3	54986.48	26.6
	1987	181	7.3	28136.06	16.8	14	0.6	14.58	0.5	195	4.1	28150.64	16.6
	1988	169	4.2	54978.36	26.2	3	0.1	11.25	0.2	172	2.8	54989.61	25.3
	TOTAL	2076	9.0	418721	17.4	422	1.4	1253.58	3.3	2498	4.7	419974.92	17.1
SHORTHEAD REDHORSE	1977	157	6.5	31169.69	10.8	0	0.0	0.00	0.0	157	1.3	31169.69	10.6
	1978	49	2.1	2676.97	2.1	0	0.0	0.00	0.0	49	1.3	2676.97	2.0
	1979	46	3.3	10543.80	6.1	0	0.0	0.00	0.0	46	1.0	10543.80	6.0
	1981	223	10.9	87046.00	22.5	0	0.0	0.00	0.0	223	6.8	87046.00	22.3
	1982	22	3.1	10325.00	4.7	0	0.0	0.00	0.0	22	2.1	10325.00	4.7
	1983	15	1.5	4627.00	2.2	0	0.0	0.00	0.0	15	0.7	4627.00	2.2
	1984	16	1.1	1332.00	0.6	0	0.0	0.00	0.0	16	0.5	1332.00	0.6
	1985	71	2.7	6187.91	2.9	29	0.4	48.42	0.8	100	1.0	6236.33	2.8
	1986	74	2.8	7197.82	3.6	0	0.0	0.00	0.0	74	2.1	7197.82	3.5
	1987	7	0.3	2848.19	1.7	0	0.0	0.00	0.0	7	0.1	2848.19	1.7
	1988	102	2.5	8094.66	3.9	0	0.0	0.00	0.0	102	1.7	8094.66	3.7
	TOTAL	782	3.4	172049	7.1	29	0.1	48.42	0.1	811	1.5	172097.46	7.0
UNIDENTIFIED REDHORSE	1977	52	2.2	166.87	0.1	36	0.4	70.99	1.0	88	0.8	237.86	0.1
	1978	32	1.4	31.25	0.0	42	3.0	27.47	1.6	74	2.0	58.72	0.0
	1979	2	0.1	1.94	0.0	78	2.6	54.93	1.6	80	1.8	56.87	0.0
	1981	0	0.0	0.00	0.0	28	2.3	8.76	0.2	28	0.9	8.76	0.0
	1982	0	0.0	0.00	0.0	2	0.5	1.90	0.3	2	0.2	1.90	0.0
	1983	7	0.7	6.03	0.0	23	2.0	15.53	1.8	30	1.4	21.56	0.0
	1984	0	0.0	0.00	0.0	1	0.1	0.58	0.1	1	0.0	0.58	0.0
	TOTAL	93	0.8	206.09	0.0	210	1.2	180.16	1.0	303	1.0	386.25	0.0
BLACK BULLHEAD	1981	2	0.1	261.00	0.1	0	0.0	0.00	0.0	2	0.1	261.00	0.1
	1985	1	0.0	53.00	0.0	0	0.0	0.00	0.0	1	0.0	53.00	0.0
	1986	1	0.0	97.00	0.0	0	0.0	0.00	0.0	1	0.0	97.00	0.0
	TOTAL	4	0.1	411.00	0.1	0	0.0	0.00	0.0	4	0.0	411.00	0.1
YELLOW BULLHEAD	1979	1	0.1	170.00	0.1	0	0.0	0.00	0.0	1	0.0	170.00	0.1
	1982	1	0.1	60.00	0.0	0	0.0	0.00	0.0	1	0.1	60.00	0.0
	1984	1	0.1	200.00	0.1	0	0.0	0.00	0.0	1	0.0	200.00	0.1
	1985	2	0.1	242.00	0.1	0	0.0	0.00	0.0	2	0.0	242.00	0.1
	1986	1	0.0	30.00	0.0	0	0.0	0.00	0.0	1	0.0	30.00	0.0
	1987	1	0.0	57.00	0.0	0	0.0	0.00	0.0	1	0.0	57.00	0.0
	1988	0	0.0	0.00	0.0	1	0.0	8.72	0.1	1	0.0	8.72	0.0
	TOTAL	7	0.0	759.00	0.1	1	0.0	8.72	0.0	8	0.0	767.72	0.1

APPENDIX D-12 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING				SEINING				TOTAL			
		NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT
CHANNEL CATFISH	1977	21	0.9	11958.16	4.2	0	0.0	0.00	0.0	21	0.2	11958.16	4.1
	1978	5	0.2	3560.00	2.7	0	0.0	0.00	0.0	5	0.1	3560.00	2.7
	1979	10	0.7	9246.00	5.4	0	0.0	0.00	0.0	10	0.2	9246.00	5.2
	1981	6	0.3	9710.00	2.5	1	0.1	0.22	0.0	7	0.2	9710.22	2.5
	1982	1	0.1	450.00	0.2	0	0.0	0.00	0.0	1	0.1	450.00	0.2
	1983	0	0.0	0.00	0.0	1	0.1	1.58	0.2	1	0.0	1.58	0.0
	1984	3	0.2	3697.00	1.7	0	0.0	0.00	0.0	3	0.1	3697.00	1.7
	1985	1	0.0	2110.00	1.0	0	0.0	0.00	0.0	1	0.0	2110.00	1.0
	1986	2	0.1	4462.00	2.2	2	0.2	1.55	0.0	4	0.1	4463.55	2.2
	1987	3	0.1	5178.00	3.1	3	0.1	3.43	0.1	6	0.1	5181.43	3.0
	1988	1	0.0	1180.40	0.6	0	0.0	0.00	0.0	1	0.0	1180.40	0.5
	TOTAL	53	0.2	51551.56	2.1	7	0.0	6.78	0.0	60	0.1	51558.34	2.1
STONECAT	1977	6	0.2	127.00	0.0	0	0.0	0.00	0.0	6	0.1	127.00	0.0
	1978	4	0.2	121.00	0.1	0	0.0	0.00	0.0	4	0.1	121.00	0.1
	1979	7	0.5	181.73	0.1	0	0.0	0.00	0.0	7	0.2	181.73	0.1
	1981	2	0.1	52.00	0.0	0	0.0	0.00	0.0	2	0.1	52.00	0.0
	1982	1	0.1	20.00	0.0	0	0.0	0.00	0.0	1	0.1	20.00	0.0
	1983	2	0.2	78.63	0.0	0	0.0	0.00	0.0	2	0.1	78.63	0.0
	1984	9	0.6	166.98	0.1	1	0.1	28.48	3.1	10	0.3	195.46	0.1
	1985	7	0.3	92.26	0.0	0	0.0	0.00	0.0	7	0.1	92.26	0.0
	1986	1	0.0	22.00	0.0	0	0.0	0.00	0.0	1	0.0	22.00	0.0
	1987	3	0.1	52.36	0.0	0	0.0	0.00	0.0	3	0.1	52.36	0.0
	1988	2	0.0	44.00	0.0	0	0.0	0.00	0.0	2	0.0	44.00	0.0
	TOTAL	44	0.2	957.96	0.0	1	0.0	28.48	0.1	45	0.1	986.44	0.0
TADPOLE MADTOM	1987	0	0.0	0.00	0.0	2	0.1	0.74	0.0	2	0.0	0.74	0.0
	TOTAL	0	0.0	0.00	0.0	2	0.1	0.74	0.0	2	0.0	0.74	0.0
PIRATE PERCH	1978	1	0.0	2.28	0.0	0	0.0	0.00	0.0	1	0.0	2.28	0.0
	1987	1	0.0	2.25	0.0	0	0.0	0.00	0.0	1	0.0	2.25	0.0
	TOTAL	2	0.0	4.53	0.0	0	0.0	0.00	0.0	2	0.0	4.53	0.0
BLACKSTRIPE TOPMINNOW	1977	0	0.0	0.00	0.0	28	0.3	12.15	0.2	28	0.2	12.15	0.0
	1978	0	0.0	0.00	0.0	8	0.6	2.99	0.2	8	0.2	2.99	0.0
	1979	0	0.0	0.00	0.0	5	0.2	2.86	0.1	5	0.1	2.86	0.0
	1981	1	0.0	0.00	0.0	3	0.2	2.57	0.1	4	0.1	2.57	0.0
	1982	0	0.0	0.00	0.0	1	0.3	1.36	0.2	1	0.1	1.36	0.0
	1983	1	0.1	1.31	0.0	13	1.1	13.89	1.6	14	0.6	15.20	0.0
	1984	0	0.0	0.00	0.0	4	0.3	2.00	0.2	4	0.1	2.00	0.0
	1985	0	0.0	0.00	0.0	37	0.5	19.64	0.3	37	0.4	19.64	0.0
	1986	2	0.1	4.53	0.0	11	1.1	4.14	0.1	13	0.4	8.67	0.0
	1987	3	0.1	2.87	0.0	28	1.2	10.83	0.4	31	0.7	13.70	0.0
	1988	1	0.0	1.14	0.0	76	3.7	46.99	0.6	77	1.3	48.13	0.0
	TOTAL	8	0.0	9.85	0.0	214	0.7	119.42	0.3	222	0.4	129.27	0.0
BROOK SILVERSIDE	1977	11	0.5	11.13	0.0	196	2.1	92.74	1.3	207	1.8	103.87	0.0
	1978	1	0.0	2.03	0.0	1	0.1	0.09	0.0	2	0.1	2.12	0.0
	1979	1	0.1	2.28	0.0	1	0.0	0.09	0.0	2	0.0	2.37	0.0
	1984	0	0.0	0.00	0.0	42	2.9	7.64	0.8	42	1.4	7.64	0.0
	1985	3	0.1	1.04	0.0	350	4.8	63.66	1.0	353	3.6	64.70	0.0
	1986	16	0.6	29.52	0.0	9	0.9	8.59	0.2	25	0.7	38.11	0.0
	1987	7	0.3	10.26	0.0	53	2.3	24.63	0.9	60	1.3	34.89	0.0
	1988	52	1.3	57.33	0.0	60	2.9	48.18	0.7	112	1.8	105.51	0.0
	TOTAL	91	0.5	113.59	0.0	712	2.6	245.62	0.7	803	1.7	359.21	0.0
YELLOW BASS	1978	1	0.0	16.00	0.0	0	0.0	0.00	0.0	1	0.0	16.00	0.0
	1987	2	0.1	12.15	0.0	0	0.0	0.00	0.0	2	0.0	12.15	0.0
	TOTAL	3	0.1	28.15	0.0	0	0.0	0.00	0.0	3	0.0	28.15	0.0
ROCK BASS	1977	196	8.1	14831.46	5.2	77	0.8	1026.31	14.8	273	2.3	15857.77	5.4
	1978	159	6.8	9652.94	7.4	3	0.2	50.41	3.0	162	4.4	9703.35	7.4
	1979	205	14.7	16202.22	9.4	7	0.2	476.45	13.8	212	4.8	16678.67	9.5
	1981	181	8.8	21112.00	5.4	18	1.5	362.69	9.9	199	6.1	21474.69	5.5
	1982	43	6.1	3446.00	1.6	0	0.0	0.00	0.0	43	4.0	3446.00	1.6
	1983	56	5.5	5612.03	2.7	0	0.0	0.00	0.0	56	2.6	5612.03	2.7
	1984	66	4.5	4567.42	2.1	1	0.1	0.05	0.0	67	2.3	4567.47	2.1
	1985	364	13.8	17950.45	8.4	16	0.2	151.04	2.4	380	3.8	18101.49	8.2
	1986	243	9.3	19730.25	9.7	26	2.7	749.16	19.4	269	7.5	20479.41	9.9
	1987	220	8.9	15731.14	9.4	4	0.2	174.06	6.5	224	4.7	15905.20	9.4
	1988	168	4.2	16971.31	8.1	130	6.3	1156.12	15.8	298	4.9	18127.43	8.3
	TOTAL	1901	8.2	145807	6.0	282	0.9	4146.29	10.8	2183	4.1	149953.51	6.1
GREEN SUNFISH	1977	105	4.3	2144.01	0.7	20	0.2	100.90	1.5	125	1.1	2244.91	0.8
	1978	200	8.6	4040.26	3.1	11	0.8	115.08	6.8	211	5.7	4155.34	3.2
	1979	130	9.3	2889.00	1.7	6	0.2	63.55	1.8	136	3.1	2952.55	1.7
	1981	177	8.6	3951.15	1.0	4	0.3	80.66	2.2	181	5.5	4031.81	1.0
	1982	73	10.4	1347.90	0.6	2	0.5	29.60	4.0	75	7.0	1377.50	0.6
	1983	87	8.5	1586.41	0.8	1	0.1	0.02	0.0	88	4.0	1586.43	0.8
	1984	228	15.5	5315.37	2.5	2	0.1	111.00	12.0	230	7.9	5426.37	2.5
	1985	185	7.0	6002.78	2.8	6	0.1	179.20	2.8	191	1.9	6181.98	2.8
	1986	177	6.8	5357.94	2.6	22	2.3	387.90	10.0	199	5.6	5745.84	2.8
	1987	137	5.5	2883.75	1.7	22	1.0	282.80	10.5	159	3.4	3166.55	1.9
	1988	60	1.5	1275.19	0.6	25	1.2	362.11	5.0	85	1.4	1637.30	0.8
	TOTAL	1559	6.7	36793.76	1.5	121	0.4	1712.82	4.4	1680	3.1	38506.58	1.6
PUMPKINSEED	1977	1	0.0	6.69	0.0	0	0.0	0.00	0.0	1	0.0	6.69	0.0
	1981	1	0.0	45.00	0.0	1	0.1	8.87	0.2	2	0.1	53.87	0.0
	1985	2	0.1	56.91	0.0	0	0.0	0.00	0.0	2	0.0	56.91	0.0
	1986	4	0.2	153.57	0.1	0	0.0	0.00	0.0	4	0.1	153.57	0.1
	TOTAL	8	0.1	262.17	0.0	1	0.0	8.87	0.0	9	0.0	271.04	0.0
WARMOUTH	1987	1	0.0	16.00	0.0	0	0.0	0.00	0.0	1	0.0	16.00	0.0
	TOTAL	1	0.0	16.00	0.0	0	0.0	0.00	0.0	1	0.0	16.00	0.0
ORANGESPOTTED SUNFISH	1977	15	0.6	93.12	0.0	77	0.8	20.65	0.3	92	0.8	113.77	0.0
	1978	64	2.7	709.88	0.5	2	0.1	11.00	0.6	66	1.8	720.88	0.5
	1979	34	2.4	414.56	0.2	6	0.2	58.06	1.7	40	0.9	472.62	0.3
	1981	87	4.2	642.83	0.2	60	4.9	183.16	5.0	147	4.5	825.99	0.2
	1982	8	1.1	81.00	0.0	11	3.0	33.12	4.5	19	1.8	114.12	0.1
	1983	11	1.1	172.41	0.1	0	0.0	0.00	0.0	11	0.5	172.41	0.1
	1984	29	2.0	255.91	0.1	1	0.1	1.20	0.1	30	1.0	257.11	0.1
	1985	71	2.7	821.33	0.4	28	0.4	138.35	2.2	99	1.0	959.68	0.4
	1986	170	6.5	2087.18	1.0	44	4.5	275.29	7.1	214	6.0	2362.47	1.1
	1987	39	1.6	430.13	0.3	11	0.5	31.18	1.2	50	1.1	461.31	0.3
	1988	43	1.1	449.97	0.2	29	1.4	103.96	1.4	72	1.2	553.93	0.3
	TOTAL	571	2.5	6158.32	0.3	269	0.9	855.97	2.2	840	1.6	7014.29	0.3

APPENDIX D-12 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		ELECTROFISHING NO.	%NO.	WT(G)	%WT	SEINING NO.	%NO.	WT(G)	%WT	TOTAL NO.	%NO.	WT(G)	%WT
BLUEGILL	1977	4	0.2	135.96	0.0	49	0.5	13.23	0.2	53	0.5	149.19	0.1
	1978	51	2.2	511.13	0.4	5	0.4	22.28	1.3	56	1.5	533.41	0.4
	1979	5	0.4	99.00	0.1	0	0.0	0.00	0.0	5	0.1	99.00	0.1
	1981	30	1.5	984.46	0.3	2	0.2	5.36	0.1	32	1.0	989.82	0.3
	1982	10	1.4	199.00	0.1	0	0.0	0.00	0.0	10	0.9	199.00	0.1
	1983	32	3.1	983.67	0.5	1	0.1	21.48	2.5	33	1.5	1005.15	0.5
	1984	38	2.6	1010.96	0.5	1	0.1	10.90	1.2	39	1.3	1021.86	0.5
	1985	15	0.6	927.00	0.4	50	0.7	7.10	0.1	65	0.7	934.10	0.4
	1986	54	2.1	1172.45	0.6	30	3.1	163.59	4.2	84	2.4	1336.04	0.6
	1987	67	2.7	778.00	0.5	49	2.2	44.16	1.6	116	2.5	822.16	0.5
	1988	5	0.1	322.00	0.2	1	0.0	0.56	0.0	6	0.1	322.56	0.1
	TOTAL	311	1.3	7123.63	0.3	188	0.6	288.66	0.7	499	0.9	7412.29	0.3
CENTRAL LONGEAR SUNFISH	1977	8	0.3	149.52	0.1	1	0.0	10.68	0.2	9	0.1	160.20	0.1
	TOTAL	8	0.3	149.52	0.1	1	0.0	10.68	0.2	9	0.1	160.20	0.1
NORTHERN LONGEAR SUNFISH	1977	121	5.0	1853.88	0.6	12	0.1	129.73	1.9	133	1.1	1983.61	0.7
	TOTAL	121	5.0	1853.88	0.6	12	0.1	129.73	1.9	133	1.1	1983.61	0.7
LONGEAR SUNFISH	1977	42	1.7	550.11	0.2	62	0.7	59.89	0.9	104	0.9	610.00	0.2
	1978	347	14.9	5800.04	4.5	5	0.4	40.89	2.4	352	9.5	5840.93	4.4
	1979	172	12.3	3335.01	1.9	10	0.3	156.94	4.5	182	4.1	3491.95	2.0
	1981	131	6.4	3256.66	0.8	28	2.3	145.12	4.0	159	4.9	3401.78	0.9
	1982	48	6.8	1002.53	0.5	2	0.5	27.01	3.6	50	4.7	1029.54	0.5
	1983	42	4.1	775.37	0.4	1	0.1	78.18	9.3	43	2.0	853.55	0.4
	1984	200	13.6	2016.67	0.9	4	0.3	41.17	4.4	204	7.0	2057.84	1.0
	1985	263	10.0	3326.46	1.6	52	0.7	348.23	5.5	315	3.2	3674.69	1.7
	1986	396	15.2	6000.77	3.0	72	7.4	921.18	23.8	468	13.1	6921.95	3.4
	1987	410	16.5	5424.60	3.2	83	3.7	744.42	27.6	493	10.4	6169.02	3.6
	1988	279	7.0	4137.40	2.0	193	9.4	1557.60	21.3	472	7.8	5695.00	2.6
	TOTAL	2330	10.1	35625.62	1.5	512	1.7	4120.63	10.7	2842	5.3	39746.25	1.6
GREEN SUNFISH X BLUEGILL	1977	1	0.0	68.00	0.0	0	0.0	0.00	0.0	1	0.0	68.00	0.0
	1982	3	0.4	79.00	0.0	0	0.0	0.00	0.0	3	0.3	79.00	0.0
	1983	1	0.1	38.00	0.0	0	0.0	0.00	0.0	1	0.0	38.00	0.0
	1984	1	0.1	118.00	0.1	0	0.0	0.00	0.0	1	0.0	118.00	0.1
	1985	1	0.0	88.40	0.0	0	0.0	0.00	0.0	1	0.0	88.40	0.0
	1986	1	0.0	5.21	0.0	0	0.0	0.00	0.0	1	0.0	5.21	0.0
	1988	0	0.0	0.00	0.0	1	0.0	75.91	1.0	1	0.0	75.91	0.0
	TOTAL	8	0.1	396.61	0.0	1	0.0	75.91	0.3	9	0.0	472.52	0.0
ORANGESPOTTED XLONGEAR SUNFISH	1977	1	0.0	7.39	0.0	0	0.0	0.00	0.0	1	0.0	7.39	0.0
	1981	4	0.2	36.00	0.0	0	0.0	0.00	0.0	4	0.1	36.00	0.0
	TOTAL	5	0.1	43.39	0.0	0	0.0	0.00	0.0	5	0.0	43.39	0.0
GREEN X LONGEAR SUNFISH	1979	1	0.1	9.00	0.0	0	0.0	0.00	0.0	1	0.0	9.00	0.0
	1981	4	0.2	74.00	0.0	0	0.0	0.00	0.0	4	0.1	74.00	0.0
	1985	1	0.0	46.00	0.0	0	0.0	0.00	0.0	1	0.0	46.00	0.0
	1988	1	0.0	64.00	0.0	0	0.0	0.00	0.0	1	0.0	64.00	0.0
	TOTAL	7	0.1	193.00	0.0	0	0.0	0.00	0.0	7	0.0	193.00	0.0
GREEN SUNFISH HYBRID	1981	5	0.2	30.00	0.0	0	0.0	0.00	0.0	5	0.2	30.00	0.0
	TOTAL	5	0.2	30.00	0.0	0	0.0	0.00	0.0	5	0.2	30.00	0.0
UNIDENTIFIED HYBRID SUNFISH	1982	0	0.0	0.00	0.0	1	0.3	5.31	0.7	1	0.1	5.31	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.3	5.31	0.7	1	0.1	5.31	0.0
UNIDENTIFIED SUNFISH	1977	0	0.0	0.00	0.0	24	0.3	1.39	0.0	24	0.2	1.39	0.0
	1979	0	0.0	0.00	0.0	4	0.1	0.44	0.0	4	0.1	0.44	0.0
	1981	1	0.0	0.91	0.0	14	1.1	1.89	0.1	15	0.5	2.80	0.0
	1982	0	0.0	0.00	0.0	13	3.5	2.58	0.3	13	1.2	2.58	0.0
	1983	2	0.2	20.70	0.0	54	4.6	10.06	1.2	56	2.6	30.76	0.0
	1984	0	0.0	0.00	0.0	7	0.5	0.74	0.1	7	0.2	0.74	0.0
	TOTAL	3	0.0	21.61	0.0	116	0.7	17.10	0.1	119	0.5	38.71	0.0
SMALLMOUTH BASS	1977	279	11.5	50341.59	17.5	14	0.1	147.30	2.1	293	2.5	50488.89	17.1
	1978	241	10.3	16781.63	12.9	1	0.1	1.59	0.1	242	6.5	16783.22	12.8
	1979	239	17.1	27021.01	15.6	11	0.4	34.37	1.0	250	5.6	27055.38	15.4
	1981	175	8.5	32789.00	8.5	15	1.2	70.99	1.9	190	5.8	32859.99	8.4
	1982	95	13.5	22215.30	10.1	5	1.4	13.02	1.8	100	9.3	22228.32	10.0
	1983	185	18.1	17718.55	8.6	0	0.0	0.00	0.0	185	8.4	17718.55	8.6
	1984	223	15.2	20684.47	9.7	2	0.1	42.46	4.6	225	7.7	20726.93	9.6
	1985	558	21.2	56493.11	26.4	100	1.4	561.00	8.8	658	6.6	57054.11	25.9
	1986	223	8.6	19045.39	9.4	2	0.2	26.97	0.7	225	6.3	19072.36	9.2
	1987	216	8.7	25618.72	15.3	5	0.2	110.49	4.1	221	4.7	25729.21	15.1
	1988	917	22.9	27336.69	13.0	380	18.5	2091.33	28.6	1297	21.4	29428.02	13.6
	TOTAL	3351	14.5	316045	13.1	535	1.8	3099.52	8.1	3886	7.3	319144.98	13.0
LARGEMOUTH BASS	1977	43	1.8	1127.59	0.4	11	0.1	175.68	2.5	54	0.5	1303.27	0.4
	1978	80	3.4	746.54	0.6	17	1.2	56.91	3.4	97	2.6	803.45	0.6
	1979	12	0.9	166.96	0.1	6	0.2	20.74	0.6	18	0.4	187.70	0.1
	1981	51	2.5	6243.00	1.6	10	0.8	249.03	6.8	61	1.9	6492.03	1.7
	1982	9	1.3	249.83	0.1	17	4.6	30.83	4.2	26	2.4	280.66	0.1
	1983	27	2.6	1014.94	0.5	8	0.7	43.23	5.1	35	1.6	1058.17	0.5
	1984	16	1.1	987.28	0.5	5	0.3	23.13	2.5	21	0.7	1010.41	0.5
	1985	45	1.7	3515.96	1.6	22	0.3	126.90	2.0	67	0.7	3642.86	1.7
	1986	25	1.0	3119.25	1.5	1	0.1	4.67	0.1	26	0.7	3123.92	1.5
	1987	46	1.9	1528.01	0.9	20	0.9	132.57	4.9	66	1.4	1660.58	1.0
	1988	13	0.3	1592.35	0.8	9	0.4	129.75	1.8	22	0.4	1722.10	0.8
	TOTAL	367	1.6	20291.71	0.8	126	0.4	993.44	2.6	493	0.9	21285.15	0.9
UNIDENTIFIED BLACK BASS	1983	0	0.0	0.00	0.0	3	0.3	0.16	0.0	3	0.1	0.16	0.0
	TOTAL	0	0.0	0.00	0.0	3	0.3	0.16	0.0	3	0.1	0.16	0.0
WHITE CRAPPIE	1977	6	0.2	477.06	0.2	26	0.3	22.20	0.3	32	0.3	499.26	0.2
	1978	2	0.1	52.00	0.0	8	0.6	5.25	0.3	10	0.3	57.25	0.0
	1979	23	1.6	1422.55	0.8	44	1.4	300.39	8.7	67	1.5	1722.94	1.0
	1981	74	3.6	5708.00	1.5	28	2.3	791.69	21.7	102	3.1	6499.69	1.7
	1982	6	0.9	992.00	0.4	5	1.4	2.95	0.4	11	1.0	994.95	0.4
	1983	7	0.7	798.00	0.4	2	0.2	72.32	8.6	9	0.4	870.32	0.4
	1984	12	0.8	716.00	0.3	0	0.0	0.00	0.0	12	0.4	716.00	0.3
	1985	1	0.0	121.00	0.1	0	0.0	0.00	0.0	1	0.0	121.00	0.1
	1986	2	0.1	165.00	0.1	2	0.2	15.86	0.4	4	0.1	180.86	0.1
	1987	1	0.0	139.00	0.1	0	0.0	0.00	0.0	1	0.0	139.00	0.1
	TOTAL	134	0.7	10590.61	0.5	115	0.4	1210.66	3.9	249	0.5	11801.27	0.5
BLACK CRAPPIE	1977	24	1.0	1206.87	0.4	130	1.4	839.82	12.1	154	1.3	2046.69	0.7
	1978	3	0.1	126.00	0.1	11	0.8	11.16	0.7	14	0.4	137.16	0.1
	1979	8	0.6	700.00	0.4	22	0.7	65.05	1.9	30	0.7	765.05	0.4
	1981	15	0.7	1655.00	0.4	36	2.9	156.42	4.3	51	1.6	1811.42	0.5
	1982	1	0.1	18.00	0.0	9	2.4	14.96	2.0	10	0.9	32.96	0.0
	1986	2	0.1	442.00	0.2	2	0.2	18.75	0.5	4	0.1	460.75	0.2
	1987	4	0.2	227.00	0.1	1	0.0	30.82	1.1	5	0.1	257.82	0.2
	1988	0	0.0	0.00	0.0	2	0.1	11.86	0.2	2	0.0	11.86	0.0
	TOTAL	57	0.3	4374.87	0.2	213	1.0	1148.84	3.8	270	0.7	5523.71	0.3

APPENDIX D-12 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE ORAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-88.

SPECIES		----ELECTROFISHING---- NO.	%NO.	WT(G)	%WT	-------SEINING-------- NO.	%NO.	WT(G)	%WT	----------TOTAL---------- NO.	%NO.	WT(G)	%WT
RAINBOW DARTER	1977	1	0.0	0.58	0.0	1	0.0	0.43	0.0	2	0.0	1.01	0.0
	TOTAL	1	0.0	0.58	0.0	1	0.0	0.43	0.0	2	0.0	1.01	0.0
JOHNNY DARTER	1977	2	0.1	2.09	0.0	36	0.4	20.26	0.3	38	0.3	22.35	0.0
	1978	3	0.1	1.39	0.0	62	4.5	24.42	1.4	65	1.7	25.81	0.0
	1979	0	0.0	0.00	0.0	53	1.7	15.09	0.4	53	1.2	15.09	0.0
	1982	0	0.0	0.00	0.0	20	5.4	7.79	1.0	20	1.9	7.79	0.0
	1983	0	0.0	0.00	0.0	34	2.9	10.99	1.3	34	1.6	10.99	0.0
	1984	0	0.0	0.00	0.0	29	2.0	9.42	1.0	29	1.0	9.42	0.0
	1985	2	0.1	1.28	0.0	214	2.9	113.02	1.8	216	2.2	114.30	0.1
	1986	1	0.0	0.23	0.0	26	2.7	9.82	0.3	27	0.8	10.05	0.0
	1987	2	0.1	1.15	0.0	86	3.8	34.56	1.3	88	1.9	35.71	0.0
	1988	11	0.3	5.95	0.0	46	2.2	18.15	0.2	57	0.9	24.10	0.0
	TOTAL	21	0.1	12.09	0.0	606	2.1	263.52	0.8	627	1.2	275.61	0.0
BANDED DARTER	1977	0	0.0	0.00	0.0	11	0.1	3.05	0.0	11	0.1	3.05	0.0
	1988	6	0.1	4.29	0.0	2	0.1	0.83	0.0	8	0.1	5.12	0.0
	TOTAL	6	0.1	4.29	0.0	13	0.1	3.88	0.0	19	0.1	8.17	0.0
YELLOW PERCH	1977	2	0.1	11.46	0.0	1	0.0	7.53	0.1	3	0.0	18.99	0.0
	1978	5	0.2	132.00	0.1	0	0.0	0.00	0.0	5	0.1	132.00	0.1
	1979	2	0.1	22.94	0.0	0	0.0	0.00	0.0	2	0.0	22.94	0.0
	1981	1	0.0	16.00	0.0	0	0.0	0.00	0.0	1	0.0	16.00	0.0
	1983	2	0.2	86.00	0.0	0	0.0	0.00	0.0	2	0.1	86.00	0.0
	1985	0	0.0	0.00	0.0	1	0.0	1.84	0.0	1	0.0	1.84	0.0
	1988	3	0.1	19.52	0.0	0	0.0	0.00	0.0	3	0.0	19.52	0.0
	TOTAL	15	0.1	287.92	0.0	2	0.0	9.37	0.0	17	0.0	297.29	0.0
LOG PERCH	1987	4	0.2	11.02	0.0	2	0.1	3.02	0.1	6	0.1	14.04	0.0
	1988	149	3.7	444.26	0.2	6	0.3	13.15	0.2	155	2.6	457.41	0.2
	TOTAL	153	2.4	455.28	0.1	8	0.2	16.17	0.2	161	1.5	471.45	0.1
BLACKSIDE DARTER	1977	0	0.0	0.00	0.0	1	0.0	2.14	0.0	1	0.0	2.14	0.0
	1978	1	0.0	2.08	0.0	3	0.2	2.82	0.2	4	0.1	4.90	0.0
	1979	0	0.0	0.00	0.0	10	0.3	6.08	0.2	10	0.2	6.08	0.0
	1981	0	0.0	0.00	0.0	1	0.1	0.39	0.0	1	0.0	0.39	0.0
	1982	0	0.0	0.00	0.0	5	1.4	3.63	0.5	5	0.5	3.63	0.0
	1983	3	0.3	1.83	0.0	5	0.4	4.02	0.5	8	0.4	5.85	0.0
	1984	1	0.1	0.64	0.0	0	0.0	0.00	0.0	1	0.0	0.64	0.0
	1985	3	0.1	3.83	0.0	35	0.5	44.08	0.7	38	0.4	47.91	0.0
	1986	0	0.0	0.00	0.0	1	0.1	3.69	0.1	1	0.0	3.69	0.0
	1987	3	0.1	3.48	0.0	9	0.4	9.30	0.3	12	0.3	12.78	0.0
	1988	15	0.4	24.33	0.0	9	0.4	18.98	0.3	24	0.4	43.31	0.0
	TOTAL	26	0.1	36.19	0.0	79	0.3	95.13	0.2	105	0.2	131.32	0.0
SLENDERHEAD DARTER	1977	0	0.0	0.00	0.0	4	0.0	3.07	0.0	4	0.0	3.07	0.0
	1979	0	0.0	0.00	0.0	1	0.0	0.39	0.0	1	0.0	0.39	0.0
	1985	1	0.0	0.98	0.0	24	0.3	22.71	0.4	25	0.3	23.69	0.0
	1986	1	0.0	2.01	0.0	5	0.5	7.02	0.2	6	0.2	9.03	0.0
	1987	0	0.0	0.00	0.0	1	0.0	0.92	0.0	1	0.0	0.92	0.0
	1988	22	0.5	53.64	0.0	1	0.0	0.41	0.0	23	0.4	54.05	0.0
	TOTAL	24	0.2	56.63	0.0	36	0.1	34.52	0.1	60	0.1	91.15	0.0
WALLEYE	1977	27	1.1	1297.00	0.5	0	0.0	0.00	0.0	27	0.2	1297.00	0.4
	1979	5	0.4	1218.00	0.7	0	0.0	0.00	0.0	5	0.1	1218.00	0.7
	1981	7	0.3	3239.00	0.8	0	0.0	0.00	0.0	7	0.2	3239.00	0.8
	1982	1	0.1	5.47	0.0	0	0.0	0.00	0.0	1	0.1	5.47	0.0
	1983	2	0.2	305.00	0.1	0	0.0	0.00	0.0	2	0.1	305.00	0.1
	1984	1	0.1	590.00	0.3	0	0.0	0.00	0.0	1	0.0	590.00	0.3
	1985	4	0.2	905.00	0.4	0	0.0	0.00	0.0	4	0.0	905.00	0.4
	1987	3	0.1	117.61	0.1	0	0.0	0.00	0.0	3	0.1	117.61	0.1
	1988	1	0.0	45.00	0.0	0	0.0	0.00	0.0	1	0.0	45.00	0.0
	TOTAL	51	0.3	7722.08	0.4	0	0.0	0.00	0.0	51	0.1	7722.08	0.4
FRESHWATER DRUM	1984	1	0.1	425.00	0.2	0	0.0	0.00	0.0	1	0.0	425.00	0.2
	1986	1	0.0	325.00	0.2	0	0.0	0.00	0.0	1	0.0	325.00	0.2
	1987	1	0.0	640.00	0.4	0	0.0	0.00	0.0	1	0.0	640.00	0.4
	TOTAL	3	0.0	1390.00	0.2	0	0.0	0.00	0.0	3	0.0	1390.00	0.2